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Q F P C L V V C C C C A A G N R R R R S S E M S R V E V K Q V K G L P W D I G A I S T A R W G G A
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QUERY	Y	G	R	A	L	S	P	A	A	170	V	L	L	A	Y	E	M	N	G	G	T	180	E	L	P	R	D	H	G	F	F	P	190	V	V	V	P	G	V	V	V	G	A	200					
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UniRef90_U6PEF2	F	E	K	A	M	S	P	P	R	A	E	V	L	L	A	Y	S	M	N	G	G	E	D	L	P	R	D	H	G	A	P	L	R	V	V	V	P	G	V	V	G	A							
UniRef90_T1ETS6	L	E	I	A	L	D	D	P	N	R	G	D	V	L	L	A	F	E	M	N	G	G	K	E	L	P	L	D	H	G	F	F	P	V	R	V	V	V	P	G	V	V	G	A					
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UniRef90_E1FXX7	F	E	K	A	M	P	P	Q	D	A	E	V	L	L	L	A	Y	E	M	N	G	D	E	L	P	R	D	H	G	F	F	P	V	M	L	I	V	A	G	I	V	G	A						
UniRef90_B3RRA2	I	P	K	A	M	D	P	Q	G	D	V	L	L	L	L	A	Y	E	M	N	G	E	E	L	P	R	D	H	G	F	F	P	V	L	R	V	V	V	P	G	Y	I	V	G	A				
UniRef90_F4Q1T4	M	E	K	A	M	D	I	N	G	D	V	L	L	L	L	A	Y	E	M	N	G	E	T	L	P	T	R	D	H	G	F	F	P	V	L	R	V	V	V	P	G	I	V	G	A				
UniRef90_G3JIJ1	I	R	K	A	M	D	P	Q	G	D	V	L	L	L	L	A	Y	G	M	N	G	K	P	L	P	R	D	H	G	F	F	P	V	L	R	V	V	V	P	G	H	I	V	A	A				
UniRef90_L7HR48	L	S	T	A	L	D	D	P	R	K	D	V	L	L	L	A	F	G	M	N	G	K	P	L	P	R	D	H	G	F	F	P	V	L	R	T	I	V	V	P	G	T	V	V	A	A			
UniRef90_W4GRE6	I	S	T	A	L	D	D	P	R	K	D	V	L	L	L	A	Y	S	M	N	G	Q	A	L	P	P	R	D	H	G	F	F	P	V	L	R	A	I	V	V	P	G	T	V	V	A	A		
UniRef90_A0A016PPV0	I	I	K	A	L	D	D	P	R	G	D	V	L	L	L	L	A	Y	S	M	N	G	Q	A	L	P	R	D	H	G	F	F	P	V	L	R	A	I	V	V	P	G	H	I	V	A	A		
UniRef90_H1VAY8	L	I	E	S	A	L	D	D	P	R	G	D	V	L	L	L	L	A	Y	S	M	N	G	K	T	L	P	R	D	H	G	F	F	P	V	L	R	A	L	V	V	P	G	H	I	V	A	A	
UniRef90_UPI0002C2FBD2	L	I	Q	A	T	N	L	D	A	E	V	L	L	L	L	L	A	F	E	M	N	G	E	T	L	P	N	R	D	H	G	F	F	P	V	L	R	V	V	V	P	G	V	I	V	G	A		
UniRef90_M7TGS3	L	I	A	A	L	D	D	P	R	G	D	V	L	L	L	L	A	F	R	M	N	G	Q	A	L	P	R	D	H	G	F	F	P	V	L	R	V	V	V	P	G	H	I	V	A	A			
UniRef90_K3Z6S8	L	G	Q	A	T	N	P	A	A	D	I	V	L	L	L	L	L	A	Y	E	M	N	G	E	V	L	K	R	D	H	G	F	F	P	V	L	R	A	I	V	V	P	G	V	I	V	G	A	
UniRef90_A8X484	M	E	K	A	R	P	G	N	E	D	V	L	L	L	L	L	A	F	H	M	N	G	V	D	L	P	R	D	H	G	A	P	L	R	V	V	V	P	G	N	V	V	G	A					
UniRef90_R8BSP8	L	A	T	A	L	D	D	P	R	N	D	V	L	L	L	L	A	F	S	M	N	G	K	P	L	P	R	D	H	G	F	F	P	V	L	R	A	V	V	V	P	G	H	I	V	A	A		
UniRef90_N1PCR4	L	Q	A	A	L	N	D	P	A	S	D	V	L	L	L	L	L	A	F	E	M	N	G	E	A	M	P	R	D	H	G	F	F	P	V	L	R	A	I	V	V	P	G	S	V	A	T	A	
UniRef90_V5IKC3	L	S	K	A	L	D	D	P	T	E	G	D	V	L	L	L	L	A	F	G	M	N	G	R	A	L	P	R	D	H	G	F	F	P	V	L	R	A	I	V	V	P	G	H	I	V	A	A	
UniRef90_D5A9R3	L	L	Q	A	T	S	P	E	A	D	V	L	L	L	L	L	L	A	Y	E	M	N	G	K	V	L	P	R	D	H	G	F	F	P	V	L	R	A	I	V	V	P	G	T	I	V	A	A	
UniRef90_B6TS46	L	N	Q	A	T	N	P	D	A	D	V	L	L	L	L	L	L	A	Y	E	M	N	G	E	V	L	N	R	D	H	G	F	F	P	V	L	R	V	V	V	P	G	V	I	V	G	A		
UniRef90_F2TH32	L	D	Y	A	M	D	P	N	E	A	D	V	L	L	L	L	L	A	Y	E	M	N	D	K	A	L	P	P	D	H	G	F	F	P	V	L	R	V	V	V	P	G	Y	I	V	G	A		
UniRef90_W9SII7	L	I	Q	A	T	S	P	N	E	A	D	V	L	L	L	L	L	A	Y	E	M	N	G	E	L	P	N	R	D	H	G	F	F	P	V	L	R	V	V	V	P	G	V	I	V	G	A		
UniRef90_G7J3M8	S	E	V	A	L	D	R	T	S	D	I	V	L	L	L	L	L	A	Y	M	Q	N	G	E	V	L	A	P	D	H	G	F	F	P	V	V	R	V	V	V	P	G	F	T	A	G	G		
UniRef90_P39865	R	E	V	A	L	D	P	S	R	D	I	V	L	L	L	L	L	A	Y	M	Q	N	G	E	L	L	A	P	D	H	G	F	F	P	V	R	R	M	I	I	P	G	F	I	V	G	G		
UniRef90_I1MAM4	R	E	A	A	M	D	P	S	R	D	I	V	L	L	L	L	L	A	Y	M	Q	N	G	E	L	L	A	P	D	H	G	F	F	P	V	R	R	M	I	I	P	G	F	I	V	G	G		
UniRef90_D5A7H9	W	H	V	A	M	D	P	A	C	D	V	M	L	L	L	L	L	A	Y	E	Q	N	G	E	R	L	T	P	D	H	G	F	F	P	V	L	R	L	V	V	P	G	Y	I	V	G	G		
UniRef90_G2X9B2	I	D	P	V	L	D	D	P	R	K	D	V	L	L	L	L	L	L	A	F	A	M	N	G	A	L	P	P	D	H	G	F	F	P	V	L	R	A	I	V	V	P	G	H	I	V	A	A	
UniRef90_K3WL08	I	S	T	T	L	D	D	P	R	K	D	V	L	L	L	L	L	L	A	F	A	M	N	G	E	S	L	P	R	D	H	G	F	F	P	V	L	R	A	I	V	V	P	G	T	V	V	A	A
UniRef90_D6CIN9	K	E	L	A	M	D	P	S	R	D	I	V	L	L	L	L	L	L	A	Y	M	Q	N	G	E	R	L	S	P	D	H	G	F	F	P	V	L	R	I	I	V	P	G	F	I	V	G	A	
UniRef90_S8ATP2	I	R	K	A	L	D	P	W	G	D	V	L	L	L	L	L	L	L	A	F	S	M	N	G	V	E	L	P	R	D	H	G	F	F	P	V	V	R	V	I	V	P	G	T	V	V	A	A	
UniRef90_I1MAM5	R	D	L	A	M	D	P	A	R	D	V	L	L	L	L	L	L	L	A	Y	S	M	N	G	E	H	L	P	P	D	H	G	F	F	P	V	V	R	V	I	V	P	G	F	I	V	A	G	G
UniRef90_P11035	K	E	Y	A	M	D	P	S	R	D	I	V	L	L	L	L	L	L	L	A	Y	M	Q	N	G	E	Y	L	T	P	D	H	G	F	F	P	V	V	R	I	I	V	P	G	F	I	V	G	G
UniRef90_V3ZVT1																																																	
UniRef90_M0TW35	L	R	Q	A	A	N	P	E	A	D	V	L	L	L	L	L	L	L	L	A	Y	E	M	N	G	E	L	S	R	D	H	G	F	F	P	V	L	R	V	V	V	P	G	V	I	V	G	A	
UniRef90_G1WYI2	F	E	Y	A	M	D	P	T	N	D	V	L	L	L	L</																																		

QUERY UniRef90_V9KND5 UniRef90_I2CP30 UniRef90_A8JEP4 UniRef90_U4U2I2 UniRef90_V5GWW3 UniRef90_S4RHN5 UniRef90_D3TPZ1 UniRef90_I0YK3 UniRef90_A7RTU7 UniRef90_B4HB80 UniRef90_W5L431 UniRef90_E2B6H6 UniRef90_U6PEF2 UniRef90_T1ETS6 UniRef90_UPI0001CBA478 UniRef90_G4ZYR6 UniRef90_UPI00032AD4E4 UniRef90_E1FXX7 UniRef90_B3RRA2 UniRef90_F4Q1T4 UniRef90_G3JIJ1 UniRef90_L7HR48 UniRef90_W4GRE6 UniRef90_A0A016PPV0 UniRef90_H1VAY8 UniRef90_UPI0002C2FBD2 UniRef90_M7TGS3 UniRef90_K3Z6S8 UniRef90_A8X484 UniRef90_R8BSP8 UniRef90_N1PCR4 UniRef90_V5IKC3 UniRef90_D5A9R3 UniRef90_B6TS46 UniRef90_F2TH32 UniRef90_W9SII7 UniRef90_G7J3M8 UniRef90_P39865 UniRef90_I1MAM4 UniRef90_D5A7H9 UniRef90_G2X9B2 UniRef90_K3WL08 UniRef90_D6CIN9 UniRef90_S8ATP2 UniRef90_I1MAM5 UniRef90_P11035 UniRef90_V3ZVT1 UniRef90_M0TW35 UniRef90_G1WYI2 UniRef90_W9NF44 UniRef90_B1LX94 UniRef90_W5GFJ3 UniRef90_S8ANP7 UniRef90_S2JNG0 UniRef90_C5PJ79 UniRef90_G1XS05 UniRef90_M3B762 UniRef90_K1X442 UniRef90_V5FFZ3 UniRef90_A1DEE2 UniRef90_C7ZPN0 UniRef90_F8NVW3 UniRef90_I0YTZ6 UniRef90_UPI0002880BC5 UniRef90_A7T593 UniRef90_I0YY17 UniRef90_H2ZCZ7 UniRef90_H3G914 UniRef90_B0DHJ9 UniRef90_H1KN14 UniRef90_K5WGH3 UniRef90_G0S8H0 UniRef90_B8P4B3 UniRef90_M7XLY3 UniRef90_M0SCI7 UniRef90_UPI00037F6648 UniRef90_UPI0002F6115B UniRef90_C5FHD0 UniRef90_UPI0004407B39 UniRef90_UPI0004776405 UniRef90_T1WGN2 UniRef90_UPI00046238E5 UniRef90_K8EAM8 UniRef90_A0A031HRB7 UniRef90_G3XZH8 UniRef90_S2J0G0 UniRef90_F1SPH2 UniRef90_B9XQK7 UniRef90_J4GPU7 UniRef90_K8EB19 UniRef90_S2KBS8

R S V K W L R R V A V S P D E S P S H W Q Q N D Y K G F F S N S P C V D W D T V D Y R UniRef90_V9KND5 R N V K W L S G R I V A V S Q Q D E S Q Q H W Q Q N D Y K G F F S N S P N V D W D T V D F S UniRef90_I2CP30 R N V K W L S G R I V V A S S K S S S Q S G F H W Q Q R D Y K A F F S P S P S T D W D N V D F D UniRef90_A8JEP4 R S V K W L R S V I V A S P K S E S S S Q S G F H W Q Q R D Y K A F F S P S P S T D W D S V D D W G S UniRef90_U4U2I2 R N V K W L G G K I V V S E K E E S S T S H W Q Q N D Y K G F F S P S P S T D Y D N V D F S UniRef90_V5GWW3 R N V K W L G R V L L S H A K E E S S S S F H W Q Q N D Y K G F F S P S P S T D W D T V D F K UniRef90_S4RHN5 R N V K W L G R V L L S H A K E E S S S S F H W Q Q N D Y K G F F S P S P S T D W D T V D F K UniRef90_D3TPZ1 R N V K W L T R V I T V A N K E E S S S S H W Q Q N D Y K G F F S P S P S T D W D T V D F T UniRef90_I0YK3 R C V K W L S R V I T A S K E E E S S P S H W Q Q N D Y K G F F S P S P S T D W D N V D W S UniRef90_A7RTU7 R N V K W L T R I V I S A K E E E S S P S H W Q Q N D Y K G F F S P S P S T D W D T V D F K UniRef90_B4HB80 R N V K W L T R I V M V A D H E E S S D S H W Q Q N D Y K G F F S P S P S T D W D T V D F S UniRef90_W5L431 R N V K W L N G K I V V S E E E E S S P S H W Q Q N D Y K G F F S P S P S T D W D T V D F K UniRef90_E2B6H6 R N V K W L R N V K W V T T V S K E E E S S P S Q W Q Q G D Y K G F F S P S P S T D W D N V D F S UniRef90_U6PEF2 R Q V K W L K T I V R L S D V E E S S P S H W Q Q K D Y K A F F S P N V G P D E T L D W K UniRef90_T1ETS6 R Q V K W L K K I V T V S D E K E E S S D S H W Q Q N D Y K T F N S P S P S L T L E T A D T G S UniRef90_UPI0001CBA478 R N V K W L G R I V T I S S D E E E S S D S H W Q Q N D Y K G F F S P N V E V D Y T R D D F W UniRef90_G4ZYR6 R N V K F L H R I V L S S E E E E S S P S F W Q Q R D Y K G F F S P N V V D W D T V D F D UniRef90_UPI00032AD4E4 R Q V K W L G R I V S V E P Q E E S S P S H W Q R R D Y K G F F S P N V V G P D T Q N D F E UniRef90_E1FXX7 R Q V K Y L S S A I V L S Q K E E E S T N Y F Q R R D Y K L F L P Q V V D N W D N V D W D UniRef90_B3RRA2 R S V K W L K S I V L S Q K E E E S T N Y F Q R R D Y K L F L P Q V V D N W D N V D W D UniRef90_F4Q1T4 R S V K W L D K I T L S S E D E E S T S F F Q R R D Y K L F H G S G V D W N N V E W D UniRef90_G3JIJ1 R S V K W L N K I T L S S E D E E S T S Q W Q R K D Y K C F G P N E G A K P D W D UniRef90_L7HR48 R S V K W L N K I V L S S D E E E S P S Q W Q R R D Y K C F G P N E G A K P D W D UniRef90_W4GRE6 R N V K F L N G R I V L S H E E E Y T G F W Q R K D Y R G F F S P M I D Y A T P D F S UniRef90_A0A016PPV0 R S V K W L S S Q I V T I S S D E E E S H S Q W Q R K D Y K C F G P N E T S P Q V D W D UniRef90_H1VAY8 R S V K W L S S Q I V T I S S D E E E S H S Q W Q R K D Y K C F G P N E T S P Q V D W D UniRef90_UPI0002C2FBD2 R C V K W L N K I V V S S T Q W Q R R D Y K C F G P N E T V Q V D W D UniRef90_M7TGS3 R S V K W L D R I V D I S D E E E S S Q G F F M Q K D Y K M F P S V D W D N V W S UniRef90_K3Z6S8 R Q V K W L R K I V S D E K E E S D T Q W Q R R D Y K G F G P N V D W D N V L K W S UniRef90_A8X484 R S V K W L S S K I V S D E E E S S T Q W Q R R D Y K G F G P N E G A K P D W D UniRef90_R8BSP8 R S V K W V E K I R I S C D E E S S Q S N W H S R D Y K C F G P N V D L K Q E D W D UniRef90_N1PCR4 R S V K W L N K I V V S D E E S P S S H W Q R R D Y K S F G P N E G A N P D W E UniRef90_V5IKC3 R S V K W L D K I V V S A N E E C C Q G F F M Q K D Y K M F P T V D W D N V K W P UniRef90_D5A9R3 R S V K W L D S I N V K E E E C C Q G F F M Q K D Y K M F P T V D W D N V K W S UniRef90_B6TS46 R C V K W L S R I W T S D A K A C Q G F F M Q K D Y K M F P D F I T E M D S E F A UniRef90_F2TH32 R S V K W L S R I N L I J A C Q G F F M Q K D Y K M F P P S I V N W D N V N W S UniRef90_W9SII7 R M V K W L K R I V T T K E S D S H Y H Y H D N R V L P S Q V D A E E E D W UniRef90_G7J3M8 R M V K W L K R I V V S N Q Q S S H Y H Y H D N R K L F P S H V D A E E E D W UniRef90_P39865 R M V K W L K R I V V S E H E S E S Y Y H Y H D N R V L P S Q V D A E H A D UniRef90_I1MAM4 R M I K W L S E V S V T S E E S D N H F H Y M D N R V L P S E F V D A E R A D W T UniRef90_D5A7H9 R S V K W L R R V I V S E S S Q S W Q Q K D Y K L F G P N Q T H P D W T UniRef90_G2X9B2 R N V K F L H R I V L S Q H E S S P N F W Q Q K D Y R G F P N Q D Y K T E N Y L UniRef90_K3WL08 R M V K W L K R I I V T D Q E S D N Y Y H Y H D N R V L P S Y V D A E N N P R W E UniRef90_D6CIN9 R S V K W L S Q I T I S P E D E S D T Q W Q R R D Y K S F C P S E V D A D UniRef90_S8ATP2 R M V K W L K R I V V S E H E S D N H Y H Y H D N R K M L P S H V D A D UniRef90_I1MAM5 R M V K W L K R I I V T T K E S T D N F Y H F K D N R V L P S V D A E L A D UniRef90_P11035 R Q V K W L N R I Y L I J E E E S T C H H W Q R K D Y K G F N S S I D W H N V N F D UniRef90_V3ZVT1 R S V K W L D H I N I I J E E C Q G F F M Q K D Y K M F P S V S V N W D N I N W UniRef90_M0TW35 R C V K W L K K I W I T D K E N S S Y H H T W D N R V L P S F V T UniRef90_G1WYI2 R N V K W L S S K I W I S D A E N D S Y H H T W D N R V V P G F V T UniRef90_W9NF44 R S V K W L A R I T V Q D R P M Q A D D Y K L F P P D V T A E T A E P A UniRef90_B1LX94 R M V K W L R R I V V T P A E S D N Y Y H F R D N R V L P S H V D A E UniRef90_W5GFJ3 R C V K W L R R I W V S E K E N D S Y Y H H T W D N R V V P S F I UniRef90_S8ANP7 R S V K W L S S K I E A S T E E Q N P F Q N A D N R V V P P T V UniRef90_S2JNG0 R C V K W L S R I W I S D K E N T S Y Y H T Y D N R V L P S F V I E K D S E F A UniRef90_C5PJ79 R S V K W L K R I L T L T E G P S D N W Y H H T Y D N R V L P T M V I T E K M S S Q D UniRef90_G1XS05 R S V K W L K R I W V S D E E N S S H Y H H T W D N R V L P S F I T E K D G E F A UniRef90_M3B762 R S V K W L K R L V V T A A P S D N W Y H H I Y D N R V L P T M I S P E Q UniRef90_K1X442 R S V K W L S S K L L T D A P S D N W Y H H I Y D N R V L P T M I S P E UniRef90_V5FFZ3 R C V K W L E K I W V T D R E N D T Y Y H H I F D N R V V P P F V T D R F D UniRef90_A1DEE2 R S V K W L K R I V T S E P S D N W Y H H I F D N R V L P T M I T P E UniRef90_C7ZPN0 R W V K W L D R I T V S R N E S D N F Y Q Q R D Y K V L P S T V T V S H D M A D W S UniRef90_F8NVW3 R M V K W I E E I T V T V E S P N F Y H H T W D N R V L P S H V T UniRef90_I0YTZ6 R S A K W L T R I E L R D E P S D A P Q A K D Y K L F P P D E D G S D V D W R UniRef90_UPI0002880BC5 R S V K W L G R I V S L S K Q K S Q S M W Q T A Y K G V P C A N Q K T V D UniRef90_A7T593 R M V K W L E E I S V A P E E S Q S F H H H T W D N R V L P P G V Q K E K A UniRef90_I0YY17 R N V K W L R Q I T V G S D E S T S H W Q M N D Y K A F S P S T T F E T A N Y K UniRef90_H2ZCZ7 R M V K W L A R I H V S D R E S S N Y H H H T M D N R V L P S H L T A E T A T W S UniRef90_H3G914 R W V K W I D S I L I S D E S P N Y Y Q Q R D Y K I L P S S V E T K A A A W S UniRef90_B0DHJ9 R S S K W L R R I T V Q D H P S T N P M Q A D D Y K L F P P D V T A E T A D P A UniRef90_H1KN14 R W V K W V D Q I T V A H R E S E N F Y Q Q K D Y K V L P P E V T P E Q A E W S UniRef90_K5WGH3 R S V K W L K R I V T A Q P S D N W Y H H I Y D N R V L P T T I D P E Q UniRef90_G0S8H0 R W V K W V D H I S V A E R E S E N F Y Q Q R D Y K V L P T K A D K E D W W S UniRef90_B8P4B3 R C V K W L R R I W I T E R E N S S H Y H H T W D N R V V P A F V R S A D E D P UniRef90_M7XLY3 R M V K W L K R I V A P Q E S N S Y Y H H K H T W D N R V L P S H V D A E UniRef90_M0SCI7 R S P K W L A S I T V Q D A P S D N P M Q A D D Y K L F P P H L D Q E T A A P A UniRef90_UPI00037F6648 R S P K W L T R I E V R D R P S D A P Q A K D Y K L F P A D V A K D D D A D W N UniRef90_UPI0002F6115B R S V K W I T K I L L T E N P S D N W Y H H I Y D N R V L P T M C P K E M A T E D UniRef90_C5FHD0 R W V K W L G R I N I A R G E S P N F Y Q Q R D Y K V L P P T M A E Q A A P W W D UniRef90_UPI0004407B39 R S P K W L A S I M V Q D E A D T P Q R K E Y R L F P P T T K E T A D UniRef90_UPI0004776405 R S V K W L K R I V T S E P S D N W Y H H I Y D N R V L P T M V T P UniRef90_T1WGN2 R W V K W V D T I S L S P D E S P N F Y Q Q R D Y K V L P A E V D UniRef90_UPI00046238E5 R M L K W L S K I T I T Y K E S E A F Y H F R D N R V L P H V D E K L A D UniRef90_K8EAM8 R S A K W L T R I E V K D T P S E A P Q A H H I Y D N R K L F P A D V T S E T A D W T UniRef90_A0A031HRB7 R S V K W L T K V W V T D Y E N D N Y Y Q R D Y K L P S F V T UniRef90_G3XZH8 R S V K Y L K S I T L Q D Y E S M S Y Y Q R D Y K L P E S V D E K Q A D W C UniRef90_S2J0G0 R H V K W L G K V T V I D E P F N G F W M N P A Y R I V L P D N S C A C V E P G UniRef90_F1SPH2 Y W V K H L N E I T V I S E K E S S H Y H H Y F D N R V L P T Q L S P E Q A R A E UniRef90_B9XQK7 R S V K W L K A E I T V T D R E S N N F Y H F N D N R V L P P T V D A E I A T K D UniRef90_J4GPU7 R M I K F L A E I E V L D H T H E G F F M A K G Y R V L P D N D C A C V A P G UniRef90_K8EB19 Y W V K H L S E I E V L D H T H E G F F M A K G Y R V L P D N D C A C V A P G UniRef90_S2KBS8

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1 10 20 30 40

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H A L T I V Y Q E Q P L N A G T P L P I L R R S F V T T P Q T L
P L V V Y P G K R A L I G L T A R P P Q L E T P F S V F N D G L I T T P N D A
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V E R D P R L R R T G V H P L N G E P P L D L Y F N E G F L T T S E S D L
D Q F S P D P R S D K L I R L T G K H P M N A E T P D L T L F D A G M L T T P S P I
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T V E E P L N R E P P H V L I G K F I S T E E G E
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D Q F S P D V P R S K S L R L T G K H P M N A E A D L T L F D A G L I T T P S P I
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P G K Q A L L K R S F R P P N F E T P V T Y F N T P F T T P N D A
D L R V L S E S P Y N A E T P P I A E L I Q Y P F I T T P I P L
L D P E P V R P L N R E A P L H E L V S S F I T T Q A P D
K R D D M V V H G R E P F N A E P P G S A L A G A P V T T P V D T
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		90	100	110	120																																					
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UniRef90_A7IBX0	E	L	V	A	V	H	Q	C	S	G	N	R	R	K	E	F	F	E	P	R	V	G	G	G	Q	A	G	N	G	L	M	G	N	A	R	W	K	G	V			
UniRef90_V2XIP2	T	L	P	V	T	L	V	C	A	G	N	R	R	K	E	Q	N	V	V	Q	K	S	L	G	F	S	W	G	P	G	G	I	S	T	A	L	F	T	G	V		
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L D T H A R D G E V L L A Y A M N G E D L P W L N G Y P L R R L V V P G G Y Y G T
L S T A L D P E R Q C L L A T H V N G K P L T A K H G Y P L R R V I V P G I G A
L D H A R D G E V L L A Y A M N G A E L P W L N G Y P L R R L V V P G G Y Y G T
L E K A L S D D D V L L G Y E M N D E P L S P D R G G P L R R L V V P G G F L G A
L S R V M D K N G G I M L A L Q M N G K P L T P K H G P V V R V V T P G I A G A
L S W A M T R E R G I M L A H K M N G L P L T P D H G R P I R V V V I P C Q I G G
I A K A L D E N T I I A F E M N G E S L T P E H G F P V V R V V V P G W T A T
L A K A M D E K G D V I L A Y E M N G E S L T P E H G F P V R V V V P G F S G A
L W R A M A V D R E V I L A L E M N N K P L Q P A Y G Y P V R V V V P G V A G A
R E R A T E P D V L L A W A M N G A P L P D V H G A P L R R L V V P G W I G A
L M H A M N P A N D V M L V F G Q N G R V L H P D H G Y P L R I I I P G W V I G G
V D H A R D G E V M V A W A M N G A D L P F L N G Y P L R R L V V P G H Y G T
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I D H S R D G E V M L A Y L M N E R D L P F L N G F P L R R L V V P G G Y Y G T
I A H A M N G E P L L A W G M N G E D L P L L N G Y P L K R L V V P G G Y F G T
M D M A M R D D V L L A W A M N G E P L P I L H G F P L R R L V V P G W F S T
I D K C L S P E D L L L A Y E M N G E P L H L L N G F P L R R L I V P G W Y A T
I D L A L S P E E P L I A W T M N G T D I P F L N G Y P L K R L I V P G Y F G T
M N K A L Q D E T L L A F K M N G E D I P L I H G Y P L R L V A G G W P A S T
L D H A R D G E V M I A L A M N G A P L H L H N G A P L R R L V V P G W Y S T
L E K A M T D N I L I A F E Q N G A P L H L H N G A P L R R L V V P G W P G S
L A K A L R P E V L L A W S M N G A Q L P H V H G A P L R R A V V Q G W I G A
L D H A N N G E V M I A Y A M N G E Q L P L L N G F P L R R L V V P G W Y S T
L D H A M D G E V M V A F A M N G E Q L P L L N G F P L R R L I V P G W Y S T
L A K A M S D E V L L A W R M N G E Q P L H A V H G A P V R V V V P G G Y I G A
L N W A M D P N K R I M L A H K M N G E P L R P D H G R P L R A V V P G Q I A W
M S K A L E D E T L I A W A M N G E D I P A L H G H P L R R L V C G G W P A S
M S K A L Q D E T L V A F K M N G K D I P A A H G Y P L R R L V C G G W P A S
I D H A R N G E V M L A F G M N G Q P L P L L N G F P L R R L V V P G W Y S T
I E H A L S P E E P L L A W G M N G E D L P F L N G Y P L K R L I V P G G Y F G T
W R K V N K F E E V M L A W E M N G E P L P K I H G A P L R R V V V F G Y I G A
T R K V N N I E V I L A W E M N G E P L P A I H G A P L R A V V M G Y I G A
V D H A R D G E V M V A W G M N G E Q L P L L N G F P L R R L V V P G W Y S T
I D K A M T D N I L I A F E M N G E A L H P M N G A P L R R L V V P G W P A S
I D H A R D G E L M V A Y A M N G E Q L P Y L N G Y P I R R L I V P G W F A T
L A K A L H P D T L L A Y E M N G R P L P L L H G A P L R R V I T G W M A E
I A K A L Q E E T L A F E M N G E D L P V V H G Y P L R R L I A G G Y P A S
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Y R K V R R N E E V L L A W E M N G K P L P K I H G F P L R R A V V A G Y I G A
W R K V K A H E V L L A W D M N G Q L P K I H G F P L R R V V V F G Y I G A
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UniRef90_I3UE79 Y W V K H L N D I H V M D D V F D G F W M S K A Y R I P D S D C H C V K P G

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UniRef90_B8IWE0 Y W V K H L N R I T V L D T R L Q N F W M K A A Y R I P D N T C A C T K P G

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 UniRef90_W5WEX5
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L A G E [] V [] G T R S S F E K [] V [] K [] K [] P [] I [] S S R S [] P [] L [] Q D F Y G L I T P S D L []
P W S Q E [] P [] Q R H A [] L [] K [] P A S K R P F N A E P P I [] G [] L [] L A E Q F Y T P N E L []
V [] R [] I [] P A [] P S [] V [] R A P A P A G [] V [] H [] P N V A G L S D F I T P N P G F []
R D A [] L [] I [] V [] H S K K G I [] E T H R S A L I G E S L I T P N R N []
P G A A R A S T R [] L [] Q T [] V [] P S A L S T E P L S E R D A V T G Y N N
L S R [] L [] A [] P Y [] V [] T [] P N R E F []
E T Q L M [] L [] T [] P E N K [] V [] T [] G Y N N
P G L A [] P [] F [] T [] T [] P N T D F []
L P G L [] P [] S [] F [] V [] T [] P N D E F []
A D D [] L [] P K D [] F T [] L [] N T K P [] L [] C A H [] P S E A M [] L S S A V [] T P A H Q []

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UniRef90_A1W3Y2	E R I Y R L R C V E G W S M V I P W V G Y			
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UniRef90_A3VC85	E R I Y R F R C V E A W S M V I P W N G F			
UniRef90_B9NLF3	E R L Y R F R C V E A W S M V I P W D G F			
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UniRef90_UPI000475D56D	E R V Y R M R C V E G W S M V I P W V G F			
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UniRef90_G2J0G8	E R I Y R L R C V E G W S M V I P W L G F			
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UniRef90_D5P758	E K V V T L T C V S N P V G G P L I S T G I W A G Y			
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UniRef90_D9XKZ4	E R D I T L T C V S N E V G G P Y V I G N A R W T G V			
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E R V Y R F R C C V E
T D I T R L I C I E
D V V V D I H C C V T R W S K L D T R
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E F V S L R C
E Y I S D F N C V
E Q I T R H I C C V E
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T S G N D I H C C V T G W S K L D N
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D I V Y D F K C C V E
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120
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G V
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UniRef90_Q9YG30	R G R F D F H C C V		T G W S V M G R V W E G I	
UniRef90_W4RQH8	V Q V S D F H C C V		T G W S V L H V T Y E G I	
UniRef90_W3RID3	T V I S D I H C C V	T T W S R Y D N		E W T G L
UniRef90_U7FJW4				
UniRef90_U5QG20	S E I V R H V C V		G W A A I V Q W G G L	
UniRef90_UPI0003481456	E R V Y R F R C C V		A W A M V V P W L G F	
UniRef90_E0XPU4	E R I Y D F R C C V		A W S M V I P Y N G R	
UniRef90_UPI0003097CEF	T Q I T R H D C C V		G W S A I G E W Q G V	
UniRef90_F5LCB0	V Q V S D F H C C V		T G W S V N S V T W E G I	
UniRef90_D9UNE1	E V T T D I H C C V	T R W S K F G T R		W K G V
UniRef90_Q7NLH0	S E I T R H V C C V		G W A A I V Q W G G L	
UniRef90_UPI00036D2630	S W R G D I H C C V	T K W S K F D T G		W E G V
UniRef90_I2QVG5	E V F A D L H S V	S R W S R F		N N H W G G I
UniRef90_F4D1Y2	T W R G D I H C C V	T T W S K L D T		W F T G I
UniRef90_UPI000413F05A	V Q V S D F H C C V		T G W S V Y K N T W E G I	
UniRef90_C5B2Q4	R W S G D I H C C V	T K W S K F D T		A W E G V
UniRef90_UPI0003FFB351	T F T V D I H C C V	T K W S K L G T T		W T G V
UniRef90_UPI0003637CBA	R P T V D I H C C V	T R W S K F G T Q		W R G V
UniRef90_M1QHC6	K V V A D F H C C V	T T W		S V K D I V W E G I
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UniRef90_A8HXP6	D L V T D I H C C V	T T W S R Y D N R		W D G L
UniRef90_UPI00016C3BA2	R V F A D M H C C V	T R W S K L D N		L W E G V
UniRef90_I2GCK3	E L V Y D F K C C V		G W S Q I Q H W S G V	
UniRef90_UPI00046EC43B	V Q V S D F H C C V		T G W S V Y K V T W E G I	
UniRef90_K2LX76	M A K N D I H C C V	T S W S R Y D N		H W Q G V
UniRef90_F3WYU5	R Q I T R H D C C V		G W S A I G E W M G P	
UniRef90_N2J790	R L V S D I H C C V	T S W S R Y D N Q		W Q G V
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UniRef90_B1ZKU0	T Q T T R H D C C V		G W S A I G K W T G V	
UniRef90_C8X843	R Y E G D I H C C V	T T W S K L G T N F D		G V
UniRef90_C6CSN0	V Q V S D F H C C V		T G W S V Y K N T W E G I	
UniRef90_R1EXJ5	S M V V T L I Q C S	G T R R A E Q I A E Y P G D G A P W G E G A I G T A R W T G V		
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UniRef90_E4N554	D V T T D L H C C V	T R W S K F D T R		W R G V
UniRef90_UPI0003480602	D T V S D F H C C V	M R F S A P		D V P W R G V
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UniRef90_T1BC38	E R T Y R F R C C V		A W S M V I P W V G I	
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UniRef90_E8WZC1	E M V T Q F K C I E		G W S Q I V Q W G G V	
UniRef90_V4KB14	T V V A D L H C C V		T K F S M L D A E W G G V	
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UniRef90_K0UHW4	E Q I T Q H Y C	I Q	G W S G V A K W G G V	
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UniRef90_M0PB18	E T E A L L D C	T S	G W Y T V I Q E W S G V	
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UniRef90_A3HYQ4	T Q I T R H T C	V	E E G W T A I A E W S G V	
UniRef90_UPI000466437C	T H E L P I A C	V E	G W S A S A Q W T G I	
UniRef90_UPI0002627574	T A R L P L A C	V E	G W S T V I Q T W T G V	
UniRef90_I5CVU9	E Q I T T H F C	I Q	G W S G V A R W G G V	
UniRef90_UPI000475E35E	E Q I T Q H Y C	I Q	G W S G L A K W G G V	
UniRef90_A0A034U2X0	E F D A V M V C	V H N R P G E	G R A A N G R W F G V	
UniRef90_X7ZBE4	E Q I T Q H F C	I Q	G W S G V A K W G G V	
UniRef90_S7W365	E Q I T Q H F C	I Q	G W S G L A K W G G V	
UniRef90_V7L5M4	T A V L P I A C	V E	G W S T T Q A W T G V	
UniRef90_UPI0003719449	E Q V S D F H C	V	T S W S C R S V R W S G V	
UniRef90_E6JBG0	S Y V A V H T C	M Q	G W S A T S R W T G V	
UniRef90_B5FDF8	E N R R V V C	V C N	W S I R R T W T G V	
UniRef90_UPI00034505EA	S Q T T L H H C	V Q	G F T S I G R W R G I	
UniRef90_X5L5H6	T H R L P I A C	V E	G W S V D A E W T G V	
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UniRef90_UPI0004790C1C	E H I T M H H C	I Q	G W S G L A K W G G I	
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UniRef90_UPI00036217A6	E V E L P I A C	V E	G W S R S A H W T G V	
UniRef90_H8INT7	T A V L P I A C	V E	G W S T T Q T W S G V	
UniRef90_V6K2X8	T S E L P I A C	V	E G W A T S N Q S W R G V	
UniRef90_UPI00036C1641	S A A L P I A C	V	E G W S T S D Q W W R G V	
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UniRef90_X7ZC19	S A R L P I A C	V E	G W S S T Q T W S G V	
UniRef90_UPI00040BC990	T Y N L P I A C	V E	G W S T T Q T W S G V	
UniRef90_M3DAL8	S S A L P I A C	V	E G W S T S D Q W W R G V	
UniRef90_UPI0003B543F6	E Q Q S D F H C	V T T W S	I I G A R W S G W	R F A D F
UniRef90_U5EAE9	E Q L A D F H C	V A G W S A	T G L R W E G	T S F E T F
UniRef90_H0E0V4	T H D L P I A C	V E	G W S T T Q R W S G V	
UniRef90_J1RV68	E A A L P I A C	V	E G W S T D D Q Q W G G V	
UniRef90_UPI0004673291	S A V L P I A C	V E	G W S A S A H W S G V	
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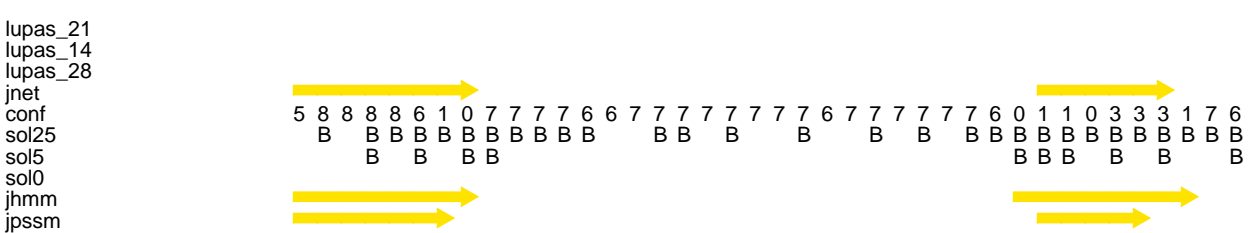
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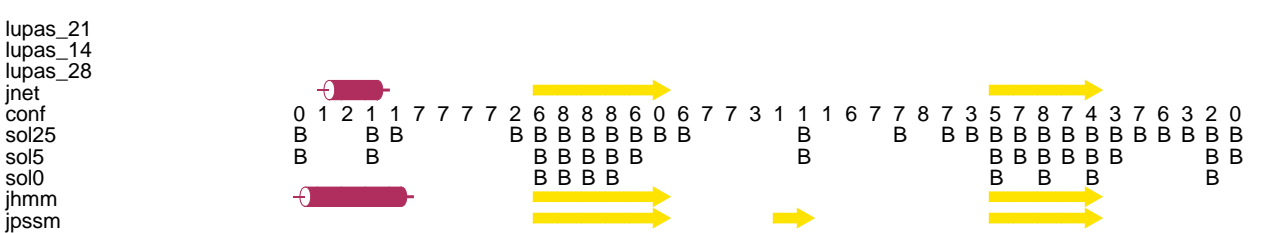
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UniRef90_UPI000375D7C6	E Y M S F H E C A G S P L A P T V A K R R			I G N V V W R G V	



		170	180	190	200
UniRef90_D8HIU7	G E H T A D E L T	L L A L E L N G E V L	A P D H G F P C R I I A P N R P G V		
UniRef90_UPI0003797CE3	M G Q E Y A K D P L T	L L A L A L N G Q T L S L D H G F P A R I I A P N R P G V			
UniRef90_G2NYH4	D V Q V R D P R S	L L A L K V N G A D L S P D H G Y P A R V I V P G A P G V			
UniRef90_S6CFD8	E A S T Y T E N A Y I	A L K Y Y G E D L S Q D D G A P M T L V S L G N P G A			
UniRef90_UPI000466662F	L S A H A A R D R L A L L A L R L D G A D L P P D H G Y P C R L I A P N R P G V				
UniRef90_UPI000369D077	R D E L E G E R I D L	L L A L R V N G E T L P R E H G F P V R L V A E D F Y G S			
UniRef90_D9V093	G E H T A D P L T	L L A L E L N G E V L N L D H G Y P C R V I A P S R P G V			
UniRef90_D6AZD9	D N Q V A D P R S	L L A L T V N G A A L S L D H G F P A R V I V P A A P G V			
UniRef90_U5EAU9	L A D A L A D	D V L L A D R L S G Q A L T N G F G A P L R L V A P A H Y G Y			
UniRef90_W2F0T7	P P H W H D P L T	L L A L R V N G S P L A A D H G F P V R L I A P D R P G V			
UniRef90_I4C8F8	F N W P D I V Q E K V F L A Y K V N G V L L P K K H G F P L R V V A Q D H Y G S				
UniRef90_A8M5M7	A N Q V E D A D S	L L A L R V N G A E L S A D H G Y P A R I I V P A L P G V			
UniRef90_UPI000365BAC3	G Y T R L F P A E D A	L L A T H V N G G A P L S P G H G A P V R L V A P G R R G F			
UniRef90_Q0RQ88	P A H A R D P L T	L L A T G L D G A D L D L D H G Y P A R L I A P D R P G V			
UniRef90_UPI00036EDE83	G N Q V R H P D S	L L T L R V N G A D L S S D H G F P A R I L V P N N P G V			
UniRef90_UPI000381EEEE	R G N Q I H D P R S	L L A L R V N G A D L S L D H G F P A R V I V P A N P G V			
UniRef90_W9GMA4	I E D C H E D E S	I F A W S M N D K P L P W T F G A P L R I R V E S Y V G Y			
UniRef90_E6SF66	I E D C S E D E S	I F A W S M N D K P L P W T F G A P L R L R V E S Y V G Y			
UniRef90_UPI000375D7C6					



UniRef90_D8HIU7
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