

QUERY	1	10	20	30	40
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UniRef90_K2L0K2	G D G P R S G E Q V Y N T F C S A C H G T G A L L G A P K H N D P A A W G P R V E				
UniRef90_Q1QDL1	G D G P R D G K A V Y N A V C Q T C H A S G L L G S P K L G D A G A W G P R I E				
UniRef90_UPI000467B876	G E P R S G E E I Y N S A C A C H G T G A A G A P K M L G S V D D W A S R I E				
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UniRef90_Q1N4C2	S S G P R A G D A V Y N T F C T A C H S T G A M G A P K T G D V S A W N D R L E				
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UniRef90_I1YH74	A A P R S G E Q V Y N T A T C N M C H G S G L A G A P I K G N A E Q W A P R I E				
UniRef90_A6FE63	G S T A R S G G K V F N T F C V I A C H M Q G V A G A P K L G N S A D W L P R R E				
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UniRef90_D8IVP6	G P K S G D E V Y S T A C A A C H A S G A L N A P I F G D A A A W E P R I V				
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UniRef90_Q8EK39	Y N K V C V L C H A A G V G A P K P G D K A D W G P R I I				
UniRef90_UPI00036500C7	G G T T D G K A I Y D H L C T S C H A S G V A G A P K T G D K A M W G P R L				
UniRef90_M4NTI6	S A E S A Y N T S C A A C H A A G V M G A P K M G D A G A W S S R I I				
UniRef90_B5JTF7	G S R T G E A V Y K A I C S S C H A T G L A G S P L T F G D A A W G P R L S				
UniRef90_C1D4X9	A Q L Y D S C K L C H A N P A S G A P L T G D S H A W S P R V				
UniRef90_W2DCX1	D D V I A K H C T V C H S G V M P N A P K I G D T A A W T E R S Q				
UniRef90_K6C6Y9					

QUERY		50	60	70	80																																																				
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UniRef90_K7AJT4			K	G	M	E	T	L	V	W	K	H	A	I	N	G	F	N	A	M	P	P	K	G	T	C	A	D	C	D	D	E	E	E	E	E	K	A	A	I	G	K	M														
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UniRef90_R8AY00			K	G	L	E	T	L	V	D	H	A	L	I	N	G	F	N	A	M	P	A	K	G	T	C	C	C	C	D	D	E	E	E	E	E	E	I	V	A	A	I	E	Y	L												
UniRef90_K2LK02			Q	G	M	D	T	L	L	S	H	A	L	I	N	G	F	N	A	M	P	A	K	G	T	C	C	C	C	D	D	E	E	E	E	E	E	I	V	A	A	I	E	F	M												
UniRef90_Q1QDL1		A	K	G	K	D	T	L	Y	T	H	A	I	N	G	F	N	A	M	P	A	K	G	T	C	C	C	C	D	D	E	E	E	E	E	E	I	V	A	A	I	D	F	M													
UniRef90_UPI000467B876			K	G	S	E	T	L	Y	D	H	A	I	N	G	F	N	A	M	P	A	M	G	L	C	C	A	D	C	D	D	E	E	E	E	E	E	I	V	A	A	I	D	F	M												
UniRef90_C7NRQ5			K	G	I	E	T	L	Y	S	H	A	I	N	G	F	N	A	M	P	P	A	K	G	T	C	C	A	D	C	D	D	E	E	E	E	E	E	I	V	A	A	I	D	F	M											
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UniRef90_I1YH74			K	G	I	E	T	L	Y	D	H	A	I	N	G	F	N	A	M	P	A	K	G	T	C	C	C	C	D	D	E	E	E	E	E	E	E	E	E	E	I	V	A	A	I	K	Y	M									
UniRef90_A6FE63		A	K	G	K	D	T	L	Y	R	H	A	I	N	G	F	N	A	M	P	A	R	G	T	C	C	C	C	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E							
UniRef90_F6CZU2			K	G	M	P	T	L	L	K	H	A	L	I	N	G	F	N	A	M	P	A	R	G	T	C	C	C	C	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E						
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UniRef90_D8IVP6		A	Q	G	Y																																																				

QUERY	S G	
UniRef90_UPI000475268A	T S	
UniRef90_K7AJT4		
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UniRef90_E1SMG0	A	
UniRef90_F7SNI4		S
UniRef90_C8PVZ9		S
UniRef90_I3U909		
UniRef90_E8UEY3	A N	
UniRef90_U7P0P8		
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UniRef90_UPI0003B329BC		
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UniRef90_Q8EK39	S	
UniRef90_UPI00036500C7		S
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UniRef90_B5JTF7		
UniRef90_C1D4X9	G N	
UniRef90_W2DCX1	A G	
UniRef90_K6C6Y9	S G	

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UniRef90_A7ICH7	G	A	D	F	A	K	G	K	E	V	F	A	A	N	C	A	A	C	H	G	D	D	G	L	G	A	P	N	L	T	D		G	I	W		L							
UniRef90_W0NKW2			A	A	G	K	Q	V	F	L	D	N	C	A	A	C	H	G	E	D	A	M	G	A	P	D	L	A	D			A	I	W			L							
UniRef90_F6DIK8			D	G	A	K	V	Y	A	Q		C	A	G	C	H	Q	A	N	G	Q	G	I	P	G	A	F	P	P	L	A	G	A	E	I	L	S							
UniRef90_UPI0003FAF5E7	A	T	A	L	A	E		G	K	K	I	Y	D	A	N	C	M	A	C	H	K	I	D	G	G	G	S	P	N	L	T	D		E	H	W	I	L	G	G	G			
UniRef90_UPI00036D45B5			G	Q	R	V	Y	T	T	T	C	S	P	C	H	K	G	T	E	R	Q	G	N	P	A	S	G	F	P	S	L	V	N			I	Q							
UniRef90_Q1LIi5			D	P	A	S	I	Y	S	S	H	C	A	A	C	H	G	A	D	R	L	G									G	M	G	P	A	L	L	P	E	S	L			
UniRef90_U0ZPD0	A	A	A	S	D	G	K	A	L	Y	Q	N	C	A	V	C	H	G	T	H	A	Q	G	G	P	R	L	G	D	A	S	K	W	R	K	Q	L	F						
UniRef90_A3SQX3	S	G	S	V	E	D	G	E	A	L	F	A	D	Y	C	A	I	C	H	G	E	G	V	D	N	W	P	K	L	G	T	L	A	D	K	D	P	L	K					
UniRef90_B9TLJ1		G	P	H	L	G	A	Q	V	F	S	A	N	C	A	S	C	H	G	A	S	G	Q	G	T	P	L	F	H	N	S	A	T	V	G	N	S	N	L					
UniRef90_F5SX2							G	K	N	L	F	D	T	Y	C	I	Q	C	H	G	S	D	A	K	G	S	P	N	L	T	D			D	W			I						
UniRef90_F1VVVV4	G	G	G	A	A	D	G	K	L	I	Y	G	G	K	C	A	A	C	H	Q	A	T	G	M	G	A	G	V	F	P	P	L	A	A	S	E	W	V	T	G				
UniRef90_UPI0003B50A62							E	V	Y	Q	N	I	C	Q	A	C	H	M	A	N	A	L	G	G	E	G	A	G	K	I	P	A	L	A	K	N	A	L						
UniRef90_H0PWG8			A	Q	R	G	A	E	L	F	Q	Q	N	C	V	A	C	H	G	P	E	A	K	G	T	P	A	M	G	A	P	N	L	T	D	E	D	W	L					
UniRef90_UPI00036597E7	G	L	Q	K	G	L	V	I	F	R	N	T	C	A	G	C	H	G	A	D	G	E	G	A	P	P	L	N	G	S	E						F							
UniRef90_UPI0003A3A23C							A	G	E	Q	V	F	K	T	N	C	V	A	C	H	G	P	D	G	K	G	N	P	L	L	G	A	P	N	L	T	N	D	T	W	L			
UniRef90_A0A031GPB8	A	A	D	P	Q	A	G	Q	R	L	F	L	T	Y	C	A	Q	C	H	G	S	G	N	K	G	F	P	N	L	T	D	K		D	W			L						
UniRef90_UPI000262649F							A	A	E	E	L	F	Q	S	N	C	A	T	C	H	G	S	D	L	S	G	G	P	N	L	T	S	V	G	A									
UniRef90_G8PUF1							A	G	K	V	I	Y	E	E	N	C	A	A	C	H	M	D	N	L	K	G	D	I	E	T	G	S	P	N	L	T	A	P	T	Y	L			
UniRef90_B1KFB4							S	G	A	E	I	Y	S	D	R	C	V	L	C	H	G	N	K	G	M	G	S	P	K	A	T	D	K	T	A	L	V	K	V	I	S			
UniRef90_UPI000477B1EC	A	Q	R	G	A	E	L	F	Q	Q	N	C	V	A	C	H	G	T	Q	A	M	G	A	P	N	L	T	D			S	D	W					L						
UniRef90_UPI00036DB2AF							E	G	R	I	L	Y	Q	R	H	C	A	A	C	H	G	A	N	G	R	G	S	P	T	N	L	T	K	G	V	E	K	F	R	S	T			
UniRef90_G9QP49							E	G	Y	Q	L	F	Q	K	N	C	I	N	C	H	G	T	G	G	A	A	P	S	L	V	D	T	G	L	K	P								
UniRef90_D8PJG3	G	N	P	R	D	G	Q	A	I	Y	E	K	Q	C	L	R	C	H	G	E	K	L	D	G	A	G	P	D	G	Q	Y	L	I	V	R	P	N	S	R					
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UniRef90_F3S862							A	A	D	G	A	A	L	F	S	N	C	S	V	C	H	Q	A	S	G	Q	G	L	P			G	Q	F	P	L	A	G	R	I	D			
UniRef90_B7JYX3							A	A	G	K	T	V	F	T	A	K	C	A	Q	C	H	G	K	N	L	V	N	P	A	K	T	L	S	K	A	D	L	E	A	N	G	M		
UniRef90_F7TB81							R	G	Q	Q	G	Y	Q	T	Y	C	L	A	C	H	G	A	D	V	L	G	A	P	N	L	T	D			E	I	W			L				
UniRef90_I4EDZ9	G	S	A	G	A	G	Q	A	V	Y	A	G	I	C	S	S	C	H	G	A	N	L	E	G	P	P	L	V	G															
UniRef90_R7ZFK3							S	G	E	Q			A	K	S	C	I	G	C	H	A	A	D	L	S	G	G	P																
UniRef90_B1XWP0							G	E	R	L	F	S	N	N	C	A	G	C	H	G	S	D	A	R	G	S	P	N	L	T	D			G	D	W			L	G				
UniRef90_UPI00047C232B							T	G	K	K	I	Y	R	Q	H	C	L	A	C	H	G	Q	T	G	N	G	G	T	K	V	G	T	A	L	N	N	Q	Q	F	L	S			
UniRef90_K8P5M3							A	G	K	T	V	F	A	A	T	C	A	A	C	H	G	D	D	G	L	G	A	P	N	L	T	D	K	S			W			I				
UniRef90_B8IL09							R	G	E	R	V	F	T	A	T	C	A	G	C	H	G	S	D	A	K	G	S	P	I	G	P	D	L	T	D	G	K	W		L	W			
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UniRef90_B8R8Y2							E	G	Q	Q	L	F	A	D	N	C	A	A	C	H	G	E	T	G	G	G	M	A	D	I	G	G	P	S	L	N	D	Q	I	W	L			
UniRef90_I4VMA0							K	K	G	A	K	L	Y	A	D	R	C	A	D	C	H	G	A	D	G	R	V	A	G	I	Y	P	P	L	D	G	N	T	S	I	N			
UniRef90_K9Z719	G	N	K	T	R	G	E	A	I	F	Q	V	N	C	A	G	C	H																										
UniRef90_UPI0002F49D61							G	N	R	L	F	I	T	H	C	A	A	C	H	G	D	D	A	Q	G	F	P	N	L	T	D	K	E			W			I					
UniRef90_UPI00046787CB							T	G	H	L	F	G	D	N	C	A	A	C	H	G	S	G	R	A	G	Y	P	D	L	T	D			D	D	W	E	P	E	A	L			
UniRef90_A9CIY8							G	A	A	A	F	K	V	N	C	I	Q	C	H	G	S	G	A	E	G	P	P	N	L	N	D			D	D	W				M				
UniRef90_G7UN28							A	Q	A	D	G	A	Q	V	Y	A	T	I	C	A	G	C	H	M	P	D	G	Q	G	A	R	G	A	G	E	Y	P	A	L	A	P	K	L	A
UniRef90_H1YAL7	A	A	S	M	A	N	G	Q	R	V	Y	L	Q	Y	C	L	S	C	H	G	S	Q	M	D	G	G	G	V	P	N	M	N	P	L	V	K	T	T	Y	V	L			
UniRef90_L2F8H2							A	V	K	I	G	Q	R	L	F	L	Q	N	C	A	L	C	H	G	S	Q	A	R	G	A	P	N	L	T	D	N								

UniRef90_UPI0003681A04	H	G	S	A	P	S	D	L	Y	K	N	I	Q	N	G	F	A	Q	M	P	A	F	K	G	M	F	S	D	Q	Q	I	K	Q	I	T	A	Y	I	80		
UniRef90_B8EHY7	A	D	K	G	L	D	G			K	L	T	V	T	N	G	H	G	V	M	P	A	W			D	L		S	D	E	E	I	A	N	V	M	T	I	V	
UniRef90_UPI00037AAC0E	I	Q	G	T	F	K	I	L	I	N	T	V	T	H	G	L	T	A	M	P	A	W	G	D	F	D	L		S	K	D	E	E	I	A	N	V	M	T	I	V
UniRef90_Q47R58	E	A	S	P	R	D			Y	E	A	M	I	V	G	P	K	A	M	P	V	F			D	D	T		S	P	E	E	I	A	N	V	M	T	I	V	
UniRef90_H2FZL0			N	D	R	A	A	H	I	D	I	V	L	H	G	P	K	A	G	T	A	M	Q	S	F	D	K	Q	L	A	K	E	I	A	N	V	M	T	I	V	
UniRef90_UPI000371B14A	F	E	D	I	Q	H	T	L	R	E	H	R	D	T	R	Y	S	Q	M	P	A	F	G	R	D	E	L	L	S	R	E	E	I	A	N	V	M	T	I	V	
UniRef90_UPI000420893E	L	E	T	G	A	Y	P	V	Y	V	V	V	H	G	L	K	G	M	P	P	V	G	K	M	M			T	K	D	D	Q	L	A	N	V	M	T	I	V	
UniRef90_UPI00047BF0BA	H	G	E	G	I	T	D	Y	K	T	V	T	N	G	L	K	G	M	P	P	V	G	K	M	M			K	T	P	D	D	Q	L	A	N	V	M	T	I	V
UniRef90_UPI000464953F	S	A	D	P	S	S	T	L	R	V	I	L	D	G	T	G	S	M	P			G	Y	A	K	Q	L	V	S	K	D	Q	L	A	N	V	M	T	I	V	
UniRef90_E58698	P	A	Q	S	T	D	T			V	Q	N	G	K	G	R	M	P			G	F	P	N	V	S	Q	G	E	I	A	N	V	M	T	I	V				
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UniRef90_UPI00036566D8	Q	T	Q	D	P	T	S	L	I	H	V	V	L	A	G	G	T	S	M	P	A	F	G	W	R		L	L	S	D	Q	E	E	I	A	N	V	M	T	I	V
UniRef90_A0NRE4	L	D	D	I	H	T	T	L	E	F	G	L	R	S	G	I	G	E	M	P	A	F	G	R	D	E	L	L	S	R	E	E	I	A	N	V	M	T	I	V	
UniRef90_UPI00041E2BB7	I	K	N	V	F	N	T	I	S	E	G	G	R	A	G	K	G	M	V	S	W	K	T				D	L	K	P	E	E	I	A	N	V	M	T	I	V	
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UniRef90_F6DIK8	K	Q	G	G	R	E	Y	L	I	K	V	L	L	W	G	L	G	F	M	P	S	F				S	Q	L	L	K	D	E	E	I	A	N	V	M	T	I	V
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UniRef90_Q47R58	K	N L
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UniRef90_E8V698		
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UniRef90_UPI00047DF03A	R	S
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UniRef90_Q1LI15	R	S
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UniRef90_UPI0003A3A23C	Y	G L
UniRef90_A0A031GPB8	L	S L
UniRef90_UPI000262649F	A	
UniRef90_G8PUF1	H	S L
UniRef90_B1KFB4	S	Y L
UniRef90_UPI000477B1EC	Y	S L
UniRef90_UPI00036DB2AF	K	T L
UniRef90_G9QP49	A	N L
UniRef90_D8PJG3	R	S V
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Q A S C Q G G G A S G A P P L W N V I G G R L D
A A A G K A R F A T T C V A C H G P E G K G N P A L G A P N L T D N I W L
D P E K V Y K K S C V S C H G G D N L Q G G A P N L Q H I G
G D P R K G E L W F R D I A T C H G I K G D G Y L A G G S G S A I G K I G F
G E S V F S T H C T S C H G A L G Q G G P N L T D D L W K
G S V K Q G E E L F L H N C A V C H G E F G E G A P V L G Q G T L K S D R P E
A S D L K A G E G I Y N T L C V A C H G G G G I G P N L T D E Y W L L G G G
D G G E L Y R Q H C A I C H G A E G Q G G I G V F P P L A G S D F L E
G D P A R G K E V Y N Q Y C Y K C H G S G M N G D G K G E V G P A N F R D P A L W
G N A T D A G A E L Y A R H C A V C H S G G G M G P A L L P D N L A R L R
N G G Q I F L T N C T A C H G S G G A M A P K I R G V E P R
G D V A Q Q G E I F Y N T S C I G C H G A G T T G A P G Q G N L A T F G D R N R
A G K K V Y A E T C S V C H G Q G A L G A P R L D S A A G W I
A V Q V G Q R L F L Q N C A Q C H G S N A K G A P N L T D N D W I Y G G S
L V Y R Q K C L S C H G G A E L Q G G A P S L Q Q V G A K Y D E A Q
A L Y K S N C L S C H G D Q L Q G G P A L T N V G A
A A M A T G Q R M F L T Y C A Q C H G S D A G G S K G F P N L T V H D E K F L
G E S A F G D N C A T C H G A G G R G A I G Y P A L A D D V W L
S G K Q V F G D N C A A C H G A G Q G G P N L T D A Y W
R G E A L Y E Q N C A S C H G T D L A G E P N L T D D W R E R D
A G S K I Y N V N C V A C H G R A D G G G G P N L T D D H W V F D G D
D G K T I F N T N C V V C H G D K G Q G G P N L T D D Y W L
V Y K G N C A N C H Q T K G Q G G L A A L Y P P I A K S D Y L V
S D A S K G E E L F G R N C Q Q C H G K G Q G G P Q L V K G A W G P G
D G K R V Y R Q Y C A S C H G T Q G E G M P N L G E L P A H G P E G H
S A S S A R G A A L F S A N C A V C H G A G G V G A P K L T D A I W
G K T I F M E N C A A C H R A D A G G G P N L T D D K W I L G G G
G K E V F A A N C A A C H R N D A S G I P G V A P L A N A E R L G
G D K V G E K I Y K K D C A S C H G E N A E G A P L T V Q I D W Y L E G Q
A T R G K E A F N A V C A A C H G N Q A I G A P N L T D N V W L
A T S A G E A A F K V N C S Q C H G S G A G S P N L N D D D W
G R Q I Y S D Q C A A C H G T D L E G Q S P L P S G R L P P P H
A A D I S A G K V I F E T N C V A C H M A D G G G G P N L T D D Y W I L G G G
G Q N I Y V N Y C A N C H G M N R K G N P A F P S L E N I A
A R E G Q E I F N K S C I G C H A V T P A N A P N L T N F G E R S R
Q A A C I T C H G S E L E G G V G P A L R G I G
G A R L F A S N C S V C H G S D A K G A P N L T D A D W R
Q R G A K V Y V D R C A A C H R T D G K G Y S V F P P L A G N P V V
G K E L F E I N C A M C H G E S S A K R G P V G R K F T P E P P
A A V K I G Q R L Y L Q N C S Q C H G S G K G F P N L T D G D W L
G R E L Y A N A C A S C H G D K G Q G A P K F T D A A W
G G R L F A S N C S V C H G S D A K G S Y G F P N L T D S E W R
D G K K I Y T Q N C V A C H G A N G E G G P N L T D E Y W L
A S A N P A A L Y Q Q H C Q S C H G D N R M G A P N L T D M A P A L L P Q S L
S G D V A T G E S V F E E N C A V C H G S G V D N W P K L G D T L A D D D P L K
A G R S G E A L Y Q N A C A T C H G V E R K G S P P F P S L V G V A Q R L T
N G Q A A F G D N C A P C H G T G A T G F P N L Q D D T W I
Y A R Y C A G C H G N D G Q G N G R I G D P A D L T D N L W
D G K N I Y G N T C F A C H Q A E G Q G I P N A F P L A K S D Y L N
G Q K I Y K D N C A K C H A D N G L G K P P A Y P L A N N Q S I Q
G D A I V G E E T F A N K C A S C H G E G V G N W P A L F D T L A D E D P V K
R G E R I Y N D N C I N C H G N Q I P M A H K F W S Q P F K
E G G E L F L A N C A Q C H Q A A G A G A P L T Y G K F A P S L S
R G A V I Y M E Q C V V C H R A D G Q G M P R I F P A L A G N S A I
A Q D G Q R L F L N N C A Q C H G S G R G F P N L T D G D W L
D T L E G M T L Y Q N R C A S C H G L N G Q G N P A R G G S P V W G Q S Y P
G N A K R G K K I Y N Q C I H C H G T T G M G A P R L T G Q S N A Y L Y L Q
R Q G G E R L Y V Q Q C A S C H Q D N G R G H G Q A W P A L A M N S V T
A E Q G A A V F A S V C A A C H G N Q A L G A P L T D D A W L Y R R P
G Q Q V F A Q N C L A C H A I G N Q G G K V G P N L T D F G N R Q T
R G E R I F A Q T C A A C H Q P D G R G L P G I F P L A G S D Y L L
G G R L F A S N C A V C H G S D A K G A Y G F P N L A D N S W R
A H A S V D G E K I F K K C S M C H K V D K K K M G P A L K D
G D D S K T G A A L Y V D N C A C H R T D G K G Y A R V F P A L A G N P V V
G E R L F M N N C S Q C H G S G S K G F P N L T D K D W L
G R E L Y Q A N C A A C H Q P N G Q G M P V A G S E V N G D P R V L
G Y A L Y E N C I N C H G G D L T G A P G L I G
A V Y K A N C V S C H G S D L Q G M G A Q T N L Q Q V G A R M T
G D D S K P G A S V Y I D N C A A C H R T D G H G Y T K V F P A L A G N P V L
A Q R G E T I A R T N C A R C H A I G R V G A S P L A D A P F R E R Y P
K A Q C V A C H A N D L K G P Q V P A L T G V G D R L S
T G R A L Y L J E N C A S C H G Q G G E G L G S N P L V N S S W
A G K Q I Y S N S C V A C H K A D G G G G P N L T D E H W L G G G
R G K T I Y E T C V T C H M G A G E G V I P G A F P P L A K A D Y L V
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G T V D E G A Q V Y A T H C A S C H G A G E G A P I T K E V D S V D F A I N
G K S V Y T N Y C G N C H G G N L P A I P A L L N
K Q G E Q L Y T M N C A A C H Q P T G T G I P A V Y P P L A G S P M M
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G E K L F L N N C A Q C H G S D A K G F P N L T D S D W L
R G K E V Y A Q N C A V C H A E D G Q G P P L W G D G S N W G A
Q Q E V Y A A N C A V C H G A K L E G P N L T D D W K R R K D
E G E K I Y S A H C S A C H G V E G E G A P S F A S S A I R A P E V I
N G A K V F S A N C A C H G A G V V N G E H T L Q Q D D L K A Y L A
G A P Q R G A A V Y R D R C V I Q C H G A G M S M Q P V P G P T A R W K P R
A G E A V Y A R N C A A C H G A D G G D A E G Y T F P P L W G D S F N
A E R R G R A V Y E Q S C I C H G P D L K G D R G P Q V D N A V
R G Q A V F R K N C A A C H G Q N A E G P L D G T A H A W H S T E
G D T L Q G A Q V F E K G C T A C H A I A G T G G H R G P D L N A V G S R L T

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UniRef90_U1YC23	E	K					A	I	H	D	V	I	V	N	G	R	G	A	M	P	S			G	M	F	N	G	S	P	E	E	L	D	Q	L	V	K	Y	L				
UniRef90_UPI00037AA7D	Y	G	N	T	L	E	E	I	K	A	T	I	K	N	G	R	G	M	P	A	W																							
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UniRef90_Q6LJK6	L	S	K	A	S	D	G	F	I	E	T	I	K	N	G	R	S	N	M	L	P	F	S	G	P	A	D	L			E	T	E	E	L	E	I	S	Y	M				
UniRef90_F0SHW4	H	V	K	S	V	E	D	I	A	K	V	V	T	D	G	A	N	A	M	P	A	W	Q	T	R			L	H	P	N	E	I	L	D	V	S	Y	M					
UniRef90_A7IFH2	K	T	I	G	S	F	W	P	Y	A	S	T	V	F	D	Y	R	A	M	P	F	G	N	N	Q	S	L	L	T	A	D	E	E	T	Y	A	I	V	A	Y	L			
UniRef90_K2P0L5	I	K	N	I	F	N	T	I	S	E	G	R	S	G	K	G	M	V	S	W	K	Q			S	L			L	T	P	K	S	Q	Q	V	A	S	Y	V				
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UniRef90_U4QQ44	K	G	K	P	D	S	F	F	I	D	V	I	T	N	G	Y	N	K	M	P	P	W			W	D	V	I	L	S	K	Q	Q	D	I	A	Q	D	V	F	A	Y	I	
UniRef90_N6YEL6	K					P	E	A	L	K	I	V	A	E	G	R	T	A	T	Q	M	L	G	F	G	E	Q	L	S	K	D	E	I	A	A	L	I	D	W	I	L			
UniRef90_A1SLF2							Y	I	Y	E	A	L	L	T	G	P	Q	N	M	N	F			S	N	G	N	L	S	P	D	E	K	R	D	V	I	A	Y	L				
UniRef90_UPI00041D7737	V	A	G	Y	L	D	K	T	D	E	N	V	L	K	P	G	N	I	M	P	Q	P	E	D	I	N	D	F	T	D	Q	E	L	T	A	L	T	E	Y	L				
UniRef90_I625V4	Y	G	S	S	L	A	Q	L	Q	Q	T	V	R	H	G	R	N	Q	M	P	A	Q	E	Q	Y			L	G	N	D	K	V	H	L	L	A	A	Y					
UniRef90_G4QHF5	G	D	K			K	E	T	L	I					L	G	R	R	G	A	M	P	A			G	W	L	N	S	M	G	E	D	G	V	A	E	V	A	Y	T		
UniRef90_UPI000376171F	I	A	Q																	P	A	F	G			R	Q	L	S	E	E	E	I	G	S	L	A	E	W	L				
UniRef90_UPI000422C506		S	M	T	S	D	Q	I	Y	K	Q	I	K																															

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UniRef90_UPI0003F85ECF	S N
UniRef90_U1YC23	A S
UniRef90_UPI00037AAF7D	
UniRef90_UPI00047B41E5	S
UniRef90_Q6LJK6	R T
UniRef90_F0SHW4	A S
UniRef90_A7IFH2	L N
UniRef90_K2P0L5	M S
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UniRef90_G4QHF5	L S
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UniRef90_A3ERF6	A S
UniRef90_A6DKH0	S T
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UniRef90_UPI000375C217	L T
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UniRef90_A3W3X6	K S
UniRef90_J0ZLZ0	R N
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UniRef90_Q026Z1	T
UniRef90_Q820L3	K S
UniRef90_I4ENF1	L S

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UniRef90_A9IUT6		R	G	Q	R	T	F	E	T	Y	C	V	A	C	H	G	N	Q	A	L	G	A	P	N	L	T	D		G	T	W													
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UniRef90_A4JR57	G	G	Q	L	A	P	G	A	G	V	Y	A	G	F	C	A	R	C	H	G	A	D	G	M	G	A	A	D	R	G	P	A	L	A	G	N	S	V	L					
UniRef90_I4N0S3	A	D	P	A	N	G	Q	K	I	F	A	A	N	C	V	A	C	H	G	T	P	V	M	G	A	P	N	L	T	H	P	Q	A				F	I						
UniRef90_A0A022LYK8	G	D	A	A	E	G	A	E	L	F	R	I	N	C	A	M	C	H	G	N	V	A	G	A	G	G	A	L	T	E	G	K	Y	A	P	N	L	E						
UniRef90_V4PBG6		R	G	Q	A	L	F	A	T	N	C	V	S	C	H	G	E	G	G	L	G	A	P	R	L	N	D		A	I	W					L	Y							
UniRef90_D5C0V9		G	E	K	M	Y	Q	Q	A	C	M	A	C	H	G	P	G	A	Q	G	N	P						A	A	S	W		P	R	L	S								
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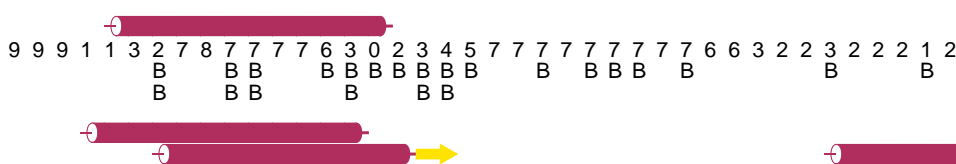
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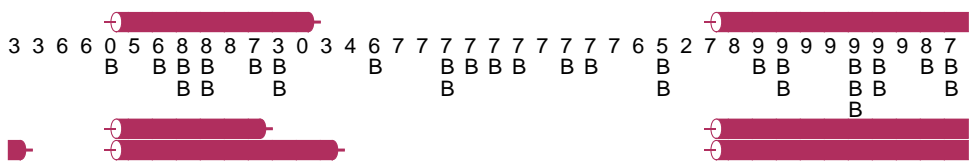
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UniRef90_Q82WE5 G K E T T L I A L V L H G A G V M P A F R S S E I D D E S L A K V A D F I
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