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UniRef90_UPI000370CBD7 S A E L T L S F E S D L K L A D V Q A L A D E V H A
UniRef90_G9ETTO S A Q L T R K Y E T D L S L A E L K A L A D V Y H P
UniRef90_B0CBC2 A T Y Q V W Q A E Q N I R M P A D P V K Q E Q F W R Q Q A D E W G G K L T C H A
UniRef90_J6UGB4 A A E V T L A L I E T D T T L A E L E G F A D V V Y S
UniRef90_UPI000429AC8F T G E K V I A Y E T G R E P G E W I A E F K A R F S D L L I L L E D
UniRef90_B11S6 A A R Y I I R Q E T G L D P D L V A G Y T P F S Y T
UniRef90_UPI00036D22B9 T A E L T F A Y E T D L K I A E V R G L A N V S H A
UniRef90_A0A038H3M1 S G L L T A G H E L G L Q R R E I E A M A N V V H N
UniRef90_Q5NNG7 W A I Q T I E H E T P Y T A K Q V R A L A A V D H V
UniRef90_V3LWR8 G A E K T C E L I E T D Y R L E D V L A K A D V V H S
UniRef90_UPI00037660AE A A A M T I A Y E L D T S V Q E V R E L A D V Y P
UniRef90_E3GX79 I G E K I L K Y E L G L S V N D L K E K S D Y Y F E
UniRef90_UPI000471CB0E G C A Q V W R D E Q G L V L P R S P D A Q E A F W R R Q C D R Q G G Q L R C H P
UniRef90_I3TIU4 A A E M T V A Y E T A L R L A E V K A L A H T V H D
UniRef90_Q12W50 A A K K L L K V I E T D Y T T E D I E D M A T A V Y D
UniRef90_P33751 W G A A T M K Y E T D W E P H D V A A L A T K T Y S
UniRef90_R4KRQ5 S A K K T L A L E T D Y L L D D I S K M A S Q Q F P S W
UniRef90_UPI0003634EE1 A A G I T R A Y E T D L T R Q D L N A R A D Q V W N
UniRef90_E3ED36 W A I A N T P Y E T G Y T V K E V E A M A D A V Y S
UniRef90_K9DG89 A A S L T L H Q E L G L Q R R D A E A L A H V V H R
UniRef90_A1WYL0 A A R V V A G L E T D T P L P R R S G E L H R E L V A A L G I D P A R L Y V Y S
UniRef90_A1VSP0 D G W R N I E H E L R M D R D F V E D L A D Q V H D

QUERY	Q	N	D	W	M	A	P	P	A	S	G	S	S	N	A	P	N	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	T	G	A	C	N	N	L	L	M				
UniRef90_C4ZIT7	R	E	E	W	F	A	S	P	P	A	S	G	S	S	N	F	P	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	G	G	L	S	Q	N	N	L	L	M		
UniRef90_W4DJJE7	V	A	D	I	G	A	S	P	I	A	S	G	S	S	F	R	V	E	G	M	I	V	M	P	C	C	S	M	G	T	L	S	A	V	A	A	N	G	G	T	S	D	N	L	L	M
UniRef90_UPI00036BDF07	M	D	D	F	F	A	S	P	I	A	S	G	S	S	N	F	A	P	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	H	G	M	S	D	N	L	L	M	
UniRef90_G2IYH6	R	E	E	W	F	A	P	V	A	S	G	S	S	S	N	P	A	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	H	G	M	S	D	N	L	L	M			
UniRef90_UPI000375DC54	Q	Q	E	W	F	A	S	P	M	A	S	G	S	S	F	Q	V	E	G	M	A	I	V	P	C	C	S	T	G	T	L	S	A	V	A	A	R	G	N	S	D	D	L	L	M	
UniRef90_C6CUC3	N	A	D	I	G	A	S	P	I	A	S	G	S	S	F	Q	V	E	G	M	A	I	V	P	C	C	S	T	G	T	L	S	A	V	A	M	A	R	G	L	S	D	D	L	L	M
UniRef90_U4TJN4	R	N	D	W	F	A	P	P	A	S	G	S	S	S	A	F	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	M	G	L	S	D	S	L	L	M			
UniRef90_E4PP69	R	E	D	W	F	A	P	P	A	S	G	S	S	S	F	E	K	A	P	L	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	T	G	A	S	N	N	L	L	M		
UniRef90_I0BI81	N	Q	D	I	G	A	K	T	A	S	G	S	S	S	F	R	T	Q	G	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	H	G	A	S	D	N	L	L	M		
UniRef90_A4SJ54	K	E	E	W	F	S	P	V	A	S	G	S	S	S	A	A	P	K	Q	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	N	G	A	S	D	N	L	L	M		
UniRef90_UPI0003668733	R	E	Q	W	M	A	S	P	V	A	S	G	S	S	G	A	P	S	K	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	N	G	A	S	D	N	L	L	M		
UniRef90_UPI000369B679	P	D	Q	W	T	A	P	V	A	S	G	S	S	S	G	A	P	E	S	K	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	T	G	A	S	R	N	G	L	M	
UniRef90_UPI00037D4698	V	A	D	I	G	A	S	P	I	A	S	G	S	S	F	R	A	E	G	M	I	V	A	P	C	C	S	T	G	T	L	S	A	V	A	A	H	G	S	D	N	L	L	M		
UniRef90_UPI000377ACE2	R	E	E	W	F	A	S	P	L	A	S	G	S	S	N	P	A	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	A	G	L	S	D	D	L	L	M		
UniRef90_F8GLM7	R	E	E	W	F	A	P	V	A	S	G	S	S	S	N	P	A	D	S	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	A	G	M	N	S	D	K	L	L	M	
UniRef90_L8N1S8	W	A	D	I	G	A	T	I	A	S	G	S	S	S	F	R	T	L	G	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	H	G	L	S	S	D	L	L	M		
UniRef90_Q1Z4N0	K	D	D	W	F	S	P	V	A	S	G	S	S	S	A	A	P	K	K	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	H	G	M	S	T	N	S	L	L	M	
UniRef90_F9UBM4	R	Q	D	W	T	A	P	V	A	S	G	S	S	S	A	P	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	A	H	G	M	S	T	N	S	L	L	M	
UniRef90_UPI00047B3E3B	L	H	D	Y	A	A	P	I	A	S	G	S	S	S	Y	Q	N	N	G	M	F	I	I	P	C	C	S	T	G	T	L	S	A	V	A	A	H	G	A	S	G	N	L	L	M	
UniRef90_F6BE90	N	D	D	F	F	S	P	L	A	S	G	S	S	S	N	K	P	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	N	G	Y	S	D	N	L	L	M		
UniRef90_UPI000378C0ED	R	E	D	W	N	C	P	P	A	S	G	S	S	S	N	K	F	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	H	G	L	S	S	N	L	L	M		
UniRef90_UPI0003B4FFBA	R	E	Q	W	M	S	P	V	A	S	G	S	S	S	G	V	A	D	A	T	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	V	G	A	S	K	S	L	L	M		
UniRef90_I3BX43	R	E	Q	W	T	A	P	I	A	S	G	S	S	S	A	V	A	E	A	T	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	C	G	S	S	D	D	L	L	M		
UniRef90_S6BH80	R	Q	Q	W	L	A	P	V	A	S	G	S	T	N	P	V	A	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	N	G	L	C	S	D	D	L	L	M		
UniRef90_U1KQP2	K	D	N	W	F	S	P	V	A	S	G	S	S	S	A	A	P	K	K	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	L	G	A	S	D	N	L	L	M		
UniRef90_G4CPU2	K	D	E	W	F	A	P	P	L	A	S	G	S	T	N	P	A	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	H	G	T	S	D	H	L	L	M		
UniRef90_F5SZY6	E	Q	D	W	S	S	P	L	A	S	G	S	S	S	H	R	V	P	D	M	I	V	C	P	C	S	T	G	T	L	S	A	V	A	A	C	G	Q	S	D	L	L	M			
UniRef90_UPI000381C54D	E	D	D	W	M	S	P	V	A	S	G	S	S	S	G	A	R	P	S	S	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	C	G	L	S	N	N	L	L	M	
UniRef90_UPI00040C86F6	K	D	E	W	F	S	C	N	I	A	S	G	S	S	A	A	P	R	Q	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	S	G	A	C	D	N	L	L	M		
UniRef90_UPI00038F7EBA	N	G	D	I	G	A	S	N	I	A	S	G	S	S	Y	R	V	Q	G	M	A	I	V	P	C	C	S	T	G	T	L	S	A	V	A	A	H	G	S	S	D	N	L	L	M	
UniRef90_I2JGT7	P	E	D	W	M	A	S	N	I	A	S	G	S	S	G	A	P	S	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	C	G	A	S	D	N	L	L	M		
UniRef90_UPI00028895B6	L	Q	D	I	G	A	S	P	I	A	S	G	S	T	H	L	T	K	G	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	H	G	A	S	D	N	L	L	M		
UniRef90_S2KSN5	R	E	D	W	M	A	S	P	V	A	S	G	S	S	H	A	P	S	S	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	T	G	A	S	D	N	L	L	M		
UniRef90_X2H9W6	R	D	E	W	F	A	P	P	A	S	G	S	S	N	P	A	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	A	G	T	S	D	H	L	L	M			
UniRef90_UPI0003673F68	P	S	D	I	G	A	S	P	I	A	S	G	S	S	F	R	T	E	G	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	S	H	G	A	S	D	N	L	L	M	
UniRef90_UPI00034C603B	W	G	D	I	G	A	S	P	I	A	S	G	S	S	F	R	T	L	G	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	S	H	G	L	S	D	D	L	L	M	
UniRef90_I1DT88	K	D	D	W	F	S	P	V	A	S	G	S	S	S	A	A	P	K	Q	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	C	G	A	S	D	N	L	L	M		
UniRef90_F5LDF9	L	Q	D	I	G	A	S	P	I	A	S	G	S	S	F	R	T	E	G	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	S	R	G	A	S	D	N	L	L	M	
UniRef90_F0LIM3	E	D	E	I	F	A	P	I	A	S	G	S	S	S	F	R	F	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	N	G	Y	A	D	N	L	L	M		
UniRef90_E8QYV4	H	A	D	F	G	A	G	I	A	S	G	S	S	S	F	L	T	A	G	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	H	G	I	T	T	N	L	L	M		
UniRef90_C9RFM8	N	D	D	F	F	S	P	V	A	S	G	S	S	S	H	F	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	N	G	F	A	S	D	N	L	L	M		
UniRef90_UPI00035E7418	K	R	D	W	F	S	P	V	A	S	G	S	T	N	G	A	P	A	S	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	C	G	G	T	S	N	L	L	M		
UniRef90_R4KQ97	N	E	N	I	G	A	A	L	A	S	G	S	S	F	K	H	D	G	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	N	S	Y	N	D	N	L	L	M			
UniRef90_UPI00047C38AA	E	K	D	W	C	A	S	P	M	A	S	G	S	S	N	C	S	G	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	V	A	T	G	Q	T	S	N	L	L	M
UniRef90_UPI000476EB56	F	S	D	I	G	A	S	P	I	A	S	G	S	S	F	R	V	K	G	A	M	I	V	P	C	C	S	T	G	T	L	S	A	V	A	A	A	G	T	S	A	N	L	L	M	
UniRef90_A7BZK6	R	E	Q	W	T	A	P	I	A	S	G	S	S	A	V	P	R	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	A	N	G	F	S	R	S	L	L	M		
UniRef90_A1S3M1	K	D	E	W	F	S	P	P	A	S	G	S	S	S	A	A	P	K	Q	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	T	G	M	S	D	N	L	L	M		
UniRef90_C1D976	R	E	E	W	F	A	P	V	A	S	G	S	S	N	P	A	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	H	G	L	S	D	N	L	L	M			
UniRef90_Q5JD89	E	K	D	L	F	A	P	V	A	S	G	S	S	H	P	F	D	A	M	V	V	C	P	C	S	T	G	T	L	S	A	V	A	A	N											

QUERY	130	140	150	160
UniRef90_C4ZIT7	E R A A D V V I K E E G R R K	L V L V P R E E T A	P F S S A I I H L L	E N M L K K R V L S A N R L L G V C
UniRef90_W4DJE7	T R A A D V M L K E E G Q K K	L V L V P R E E T P	F L H A Q L H H L L	L Q N M L L K R V L S A N R L L G V R
UniRef90_UPI00036BDF07	E R A A D V T I K E E G R R R	L I L V P R E E T P	F L S S V I H H L L	E N M L K K R V L S A N R L L G V R
UniRef90_G2IYH6	E R A A D V M I K E E G R K T	L I L V P R E E T A	P F S S A L I H H L L	E N M L K K T L L A R R L G V V
UniRef90_UPI000375DC54	T R A A D V M L K E E G R R K	L I I V P R E E T M	P L S S V I H H L L	E N M L K K L L A R R A G A E
UniRef90_C6CUC3	E R A A D V M L K E E R R R Q	L I L V P R E E T A	P L S S V I H H L L	E N M L K K L L A R R M G A V
UniRef90_U4TJN4	E R A A D V M L K E E R R R Q	L I L V P R E E T M	P L S S V I H H L L	E N M L K K L L A R R A G A E
UniRef90_E4PP69	E R T A D V M L K E E G R R K	L I L V P R E E T A	P L H A I H H L L	E N M L K K L L A R R M G A V
UniRef90_I0B181	E R A A D V V I K E E R G Q Q	L I L V P R E E T S	P F S S A I I H H L L	E N M L K K L L A R R L G V T
UniRef90_A4SJ54	E R A A D V A L K E E R R R R	L I L V P R E E T A	P Y S S E I H H L L	E N M L K K R L L T R M G T V
UniRef90_UPI0003668733	E R A A D V V L K E E R R R R	L I L V P R E E T P	F S S E I H H L L	E N M L K K R L L T R M G T V
UniRef90_UPI000369B679	T R A A D V M L K E E G R R P	L V L V P R E E T P	F L H A I H H L L	E N M L K K R L L S R R L G V K
UniRef90_UPI00037D4698	K R A A D V C I K E E G R R K	L V L V P R E E T P	F F S T A I H H L L	E N M L K L S R R M G V V
UniRef90_UPI000377ACE2	E R A A D V M L K E E N R R Q	L I L V P R E E T M	P F S A I H H L L	E N M L K L V R S R M G A V
UniRef90_F8GLM7	E R A A D V H L K E E G R R R	L V L V P R E E T P	P L S L I H H L L	R N L T T A E A G A R
UniRef90_L8N1S8	E R A A D V V M K E E S R R K	L L M V I R E E T P	F F S T A I H H L L	E N M L K R L A R A G A V
UniRef90_Q1Z4N0	E R A A D V T M K E E S R R K	L L M V I R E E T P	F F S T A I H H L L	E N M L K R L A R A G A V
UniRef90_F9UBM4	D R A A D V T M K E E S R R K	L L M V I R E E T P	F F S T A I H H L L	E N M L K R L A R A G A V
UniRef90_UPI00047B3E3B	E R T A D V M L K E K R R P	L L L V P R E E T P	P L H Q I H H L L	E N M L K I A K V G G T
UniRef90_F6BE90	V R V C D I A L K E K R R K	L L M P R E E T M	P F N A I H H L L	E N M L K S L A K L G V V
UniRef90_UPI000378C0ED	E R A A D V V M K E E R R T	L I L V P R E E T P	P F S T A I H H L L	E N M L S S R R M G V V
UniRef90_UPI0003B4FFBA	E R A A D V C L K E E R K Q	L I L V P R E E T P	F S S D I H H L L	E N M L K L S R R M G A V
UniRef90_I3BX43	E R A V D V A L K E E R K K	L I L V P R E E T P	F F S S E I H H L L	E N M L K R L A R M G V I
UniRef90_S6BH80	D R A A D V A L K E E R R P	L I L V P R E E T P	F Y S A I H H L L	R N M L L T E A G T T
UniRef90_U1KQP2	E R A A D V V I K E E R G Q Q	L I L V P R E E T P	F S S P I H H L L	E N M L K L S S Q L G V T
UniRef90_G4CPU2	E R A A D V A I K E E R R K	L I L V P R E E T P	P L S S S I H H L L	E N M L K L S A K L G A V
UniRef90_F5SZY6	N R A A D V M L K E E D R R K	L I L V P R E A P	F S V I H H L L	E N M L K L S A K L G V C
UniRef90_UPI000381C54D	Q R A A T V V L K E E R R K	L I I V P R E A P	P Y S S E I H H L L	E N M L K L S R M G C V
UniRef90_UPI00040C86F6	E R A A D V V L K E E G R Q Q	L I M V T R E E T M	P L S S I H H L L	E N M L K L S R N L G V T
UniRef90_UPI00038F7EBA	T R A A D V M M K E E G R K	L I M P R E E T M	H A V H H L L	E N M L K L S R M G V S
UniRef90_I2JGT7	E R A A D V A L K E E R R Q	L I L V P R E E T M	P L S A I H H L L	Q H M L S L T Q M G A T
UniRef90_UPI00028895B6	K R A A D V M M K E E N R R	L I L V P R E E T P	P L H A I H H L L	E N M L A L L T R M G A R
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UniRef90_X2H9W6	E R A A D V S I K E E N R P	L I I V P R E E T P	P L S A I H H L L	E N L K L S R R L G V C
UniRef90_UPI0003673F68	A R A A D V M L K E E G R K	L L L V P R E E T P	P L H A I H H L L	E N M L L A R E L G V R
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UniRef90_I1DT88	E R A A D V V I K E E A G Q Q	L I L V P R E E T S	P L S A I H H L L	E N L L K L A K L G V T
UniRef90_F5LDF9	E R A A D V M L K E E G R R	L I L V P R E E T P	P L H A I H H L L	E N M L V L A K M G V K
UniRef90_F0LIM3	T R V A D V A L K E E R R K	L I L V P R E E T P	L N L V H H L L	Q N M L K V T Q A G A I
UniRef90_E8QYV4	T R A A D V H L K E E R R K	L I V V P R E E T P	L N S L V H H L L	E N M L R V T Q A G A V
UniRef90_C9RFM8	V R V C D I A L K E K R R K	L L M P R E E T M	P L N S I H H L L	E N M L K L S N L G A V
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UniRef90_R4KQ97	V R A A D V A L K E E R R K	L L V I V R E E T P	P L H I G H H L L	R L L V T L A E L G G T
UniRef90_UPI00047C38AA	T R S A D V M I K E E R P	L L L V V R E E T P	F E N Q I H H L L	E N M L K L S Q L G V Q
UniRef90_UPI000476EB56	E R A A D V M I K E E E R K	L I V V P R E E T P	P L H A I H H L L	E N M L L A R M G V S
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UniRef90_A1S3M1	E R A A D V V L K E E G R Q Q	L I L V P R E E T P	F F N A I H H L L	E N M L K V L Q L G A V
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UniRef90_A3QHR1	E R A A D V V I K E E R G Q	L I L V P R E E T P	F S S I H H L L	E N M L S R L G A T
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UniRef90_F0XL97	T R A A D V C L K E E R R V	L V L S V R E E T P	F F N E I H H L L	R N M S E V T R A G A I
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UniRef90_H8K766	S R A A G V I L K D R R R K	L I L M T R E E T P	P L H I G Y L L	E N M L K V A N Y G G T
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UniRef90_UPI00046D213B	V R A A D V T L K E E R R P	L V L L F R E E T P	L H K G H H L L	D I L R R C A D I L G A V
UniRef90_L0LXP6	S R A A D V V L K E E R R R	L V M M L R E E T P	P L H L G H H L L	R N M V T V T E I G A I
UniRef90_D4W6R7	C R A A D V A L K E E G R K	L I I V P R E E T P	F E N T I H H L L	E N M C H L S K V G A T
UniRef90_R9VJ07	T R A A D V V L K E E R P	L V V V R E E T P	L H L G H H L L	R L M T Q A L A E L G A V
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UniRef90_Q46C19	T R A A D V C L K E E E R K	L I L M T R E E T P	P L N L I H H L L	E N M L R A K K A G A S
UniRef90_UPI000370CBD7	T R A A D V M L K E E R R K	L V L M V R E E T P	P F H T G H H L L	R T M T A L S E M G A T
UniRef90_G9ETTO	G R A A D V T L K E E R R K	L V L M P R E E T S	P L H L G H H L L	Q N M V S A T Q Q G A L
UniRef90_B0CBC2	E R T A D V H L K E E R R P	L V I V P R E E T P	F F S L I H H L L	E N L T T L A R A G A R
UniRef90_J6UGB4	T R A A D V V L K E E R R R	L V L V V R E A P	P L H L G H H L L	R N M T A V T E M G A V
UniRef90_UPI000429AC8F	T R A A D V A L K Q R R P	L V V M P R E E T P	P L S Q I H H L L	K N M L T L A R C G A F
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UniRef90_A0A038H3M1	T R A A D V M L K E E R R K	L V L M V R E E T P	P L N S L I H H L L	E N M T A T E A G A I
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UniRef90_R4KRQ5	N R A A D V T I K E E R R K	L I L V R E E T P	P L S P I H H L L	E N M L K L A R L G V I
UniRef90_UPI0003634EE1	S R A A D V V L K E E R R R	L V L M V R E A P	P L N S L I H H L L	R N M A T I V E A G G T
UniRef90_E3ED36	T R S A D V I L K E E R K K	L L L M T R E E T P	P L S S I H H L L	E N M L E L S R M G V M
UniRef90_K9DG89	T R A A D V I L K E E R R R	L V L M V R E E T P	F N L A H H L L	R N M T A V T E M G G I
UniRef90_A1WYL0	E R A A D V V I K E E R G R	L V V V P R E E T P	P L S A I H H L L	E N M L S L T R L G V V
UniRef90_A1VSP0	T R A A D V M L K E E R R R	L V L L V R E S	P L H L T H L L	R N M L S V T E M G G I

QUERY	G E Q H L V S
UniRef90_C4ZIT7	G E D R
UniRef90_W4DJE7	G D
UniRef90_UPI00036BDF07	G D
UniRef90_G2IYH6	G E Q
UniRef90_UPI000375DC54	G E
UniRef90_C6CUC3	G D D
UniRef90_U4TJN4	G E
UniRef90_E4PP69	G E
UniRef90_I0BI81	G
UniRef90_A4SJ54	G
UniRef90_UPI0003668733	G E D S L
UniRef90_UPI000369B679	G T G H R Q
UniRef90_UPI00037D4698	G E E
UniRef90_UPI000377ACE2	G
UniRef90_F8GLM7	G T E
UniRef90_L8N1S8	Q G K
UniRef90_Q1Z4N0	G Y D Q R K K
UniRef90_F9UBM4	G E
UniRef90_UPI00047B3E3B	G E D R
UniRef90_F6BE90	G E
UniRef90_UPI000378C0ED	G E S R
UniRef90_UPI0003B4FFBA	G D K
UniRef90_I3BX43	G Q E Q
UniRef90_S6BH80	G E D R
UniRef90_U1KQP2	G Y G E
UniRef90_G4CPU2	G E
UniRef90_F5SZY6	G D
UniRef90_UPI000381C54D	G S H S L
UniRef90_UPI00040C86F6	G Y K P G Q S
UniRef90_UPI00038F7EBA	G D D
UniRef90_I2JGT7	G E
UniRef90_UPI00028895B6	G E
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UniRef90_I1DT88	G Y G N
UniRef90_F5LDF9	G E S N
UniRef90_F0LIM3	G E
UniRef90_E8QYV4	G
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UniRef90_UPI00035E7418	G E
UniRef90_R4KQ97	E G
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UniRef90_G9NTN1	N G
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UniRef90_E3ED36	D G
UniRef90_K9DG89	G G
UniRef90_A1WYL0	G K E
UniRef90_A1VSP0	Q D T E

	1	10	20	30	40																																								
UniRef90_A1WAS2	M	S	Q	P	R	R	V	I	V	G	I	S	G	A	S	G	A	V	Y	G	A	R	L	L	Q	A	L	Q	D	M	N	V	E	S	H	L	V	V	S	D					
UniRef90_U2D518							I	V	V	G	I	S	G	A	S	G	T	L	Y	A	V	K	L	L	E	A	L	K	K	F	E	H	A	N	V	H	L	V	V	S	D				
UniRef90_U2SRW8							N	F	V	V	G	I	T	G	A	S	G	T	L	Y	A	V	K	L	L	E	A	L	K	K	F	E	H	A	N	V	H	L	V	V	S	D			
UniRef90_UPI0004682480	M	A	R	K	R	R	R	V	V	G	I	S	G	A	S	G	T	L	Y	A	V	K	L	L	E	A	L	K	K	F	E	H	A	N	V	H	L	V	V	S	D				
UniRef90_Q46KX5							K	S	I	V	A	I	T	G	A	S	A	M	Q	I	A	E	R	S	I	Q	V	L	L	E	N	D	Q	S	V	D	L	V	L	S	K				
UniRef90_T0EWN1							K	L	I	V	A	M	G	A	S	G	S	V	Y	A	T	R	F	I	R	A	L	M	E	L	E	G	E	S	W	F	V	A	S	P					
UniRef90_K8XGU8							P	R	L	V	G	A	M	G	A	S	G	A	V	Y	G	V	R	I	L	E	Q	L	R	E	T	P	I	E	T	H	L	V	V	S	K				
UniRef90_T0IW61							R	I	A	V	G	V	T	G	A	S	G	A	L	Y	G	Y	T	L	L	K	A	L	Y	D	L	G	L	E	V	H	A	V	Y	T	D				
UniRef90_A3YTT9							V	V	L	A	V	G	V	T	G	A	S	A	M	P	L	A	E	R	G	L	Q	A	L	L	E	A	G	E	T	S	V	H	L	V	A	S			
UniRef90_UPI000418A61E							K	I	V	V	A	I	S	G	A	S	A	M	P	L	A	E	R	G	L	Q	A	L	L	E	A	G	E	T	S	V	H	L	V	A	S				
UniRef90_C7LRV2	M	T	V	E	R	R	I	I	L	A	I	S	G	A	S	G	M	E	Y	A	R	L	L	A	R	A	L	R	E	A	G	L	E	L	H	G	I	L	S	D					
UniRef90_C4XKA7							K	R	I	V	A	I	S	G	A	S	G	V	I	Y	G	V	R	L	L	E	V	L	K	G	A	D	V	E	T	H	L	L	V	S	S				
UniRef90_Q39TU0	M	S	L	P			L	V	V	A	I	T	G	A	T	G	S	I	F	G	I	K	A	L	I	S	L	R	H	L	N	V	E	T	H	L	L	V	S	K					
UniRef90_A2QXS4							S	Q	R	R	K	I	V	V	A	I	T	G	A	T	G	S	I	F	G	I	K	A	L	I	S	L	R	H	L	N	V	E	T	H	L	L	V	S	K
UniRef90_I9BRV1	M	S	A				Q	R	R	I	V	V	A	I	T	G	A	T	G	S	I	F	G	I	K	A	L	I	S	L	R	H	L	N	V	E	T	H	L	L	V	S	K		
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UniRef90_UPI0004279A21	M	T	S	S	K	R	L	I	V	G	I	S	G	A	S	G	I	Y	A	V	R	V	L	L	E	L	L	R	E	T	D	V	E	T	H	L	V	V	S	R	D				
UniRef90_UPI00047EB56A							P	R	R	I	V	V	T	I	S	G	A	S	G	A	V	Y	G	V	R	L	L	Q	A	L	V	M	A	R	E	A	G	I	E	T	H	L	V	S	D
UniRef90_C0W4M5							R	R	E	R	V	V	A	I	S	G	A	S	G	T	V	Y	G	V	R	L	L	Q	A	L	A	A	T	T	V	E	T	H	L	V	I	S	P		
UniRef90_C0QG73							K	P	T	Y	V	V	A	I	S	G	A	S	G	V	I	Y	G	V	R	L	L	K	A	L	V	Q	T	P	C	R	V	I	L	M	V	S	Q		
UniRef90_J2VMG0							R	Q	R	L	I	V	A	I	T	G	A	T	G	A	Y	G	V	R	L	L	Q	A	L	R	R	Q	S	D	Q	E	T	H	L	M	I	S	D		
UniRef90_UPI00036E5EFB	M	A	R	P			R	L	V	A	I	T	G	A	T	G	A	M	I	G	V	R	L	L	Q	A	L	R	R	R	L	G	H	E	T	H	L	V	V	S	P				
UniRef90_J3DPI2	M	N	R				Q	R	M	V	V	G	I	S	G	A	S	G	F	I	Y	G	V	R	L	L	Q	L	L	A	E	L	D	T	E	S	H	L	L	V	S	R			
UniRef90_UPI00045E9AFE							P	K	R	L	V	V	A	I	T	G	A	T	G	A	Y	G	I	R	A	L	R	R	E	R	G	D	V	E	T	H	L	L	V	L	S	P			
UniRef90_C6AY87							R	R	L	I	V	A	I	S	G	A	S	G	A	I	Y	G	L	R	A	L	E	M	L	R	D	D	V	E	T	H	L	L	V	L	S	S			
UniRef90_R9SIX6							R	R	L	I	V	A	I	T	G	A	T	G	A	S	G	V	I	L	G	V	R	L	L	Q	A	L	K	D	L	D	I	Q	T	G	L	L	S	D	
UniRef90_UPI000317E1AA							R	L	I	V	A	I	T	G	A	T	G	A	L	Y	G	I	R	A	L	E	L	L	K	N	T	D	L	E	T	H	L	V	M	S	Q				
UniRef90_B8F3U7	M	L	N				K	R	I	V	A	I	T	G	A	T	G	A	S	G	F	Y	G	Y	K	A	L	E	L	L	K	P	L	D	N	E	T	H	L	V	S	R			
UniRef90_L1KUB8							R	L	V	V	A	I	T	G	A	T	G	A	V	L	G	V	R	L	L	Q	E	L	R	H	D	E	V	E	T	H	L	V	V	S	R				
UniRef90_B4WQK4																																													
UniRef90_UPI0004632C6A	L	Q	Q	K	R	L	V	I	G	I	S	G	A	S	G	V	I	Y	A	I	R	T	L	K	H	L	S	A	G	Y	S	V	E	L	V	A	S	T	A						
UniRef90_I3IQ31							N	I	V	G	I	T	G	A	S	G	A	I	Y	A	Q	R	L	L	H	I	L	S	K	K	E	Y	N	I	H	L	S	I	S	D					
UniRef90_UPI0003B5B465							K	L	I	V	G	I	T	G	A	S	G	A	I	Y	F	G	I	R	L	E	I	L	K	S	T	D	T	E	T	H	L	L	V	S	R				
UniRef90_W5Y5B0	A	R	K	R	I	V	G	I	S	G	A	S	G	F	G	Y	S	A	A	V	L	L	E	I	L	K	S	T	D	T	E	T	H	L	L	V	L	S	R						
UniRef90_F3Z2J4	M	S	T				R	I	L	L	G	V	T	G	A	S	G	M	P	Y	T	F	K	L	A	K	V	L	G	E	P	G	M	E	L	H	L	L	V	S	K				
UniRef90_M5RPK0							V	V	L	A	M	T	G	A	S	G	A	I	Y	G	V	R	L	L	Q	D	L	A	R	A	G	Y	V	E	T	H	L	L	V	S	P				
UniRef90_A0K434							P	R	R	L	V	A	I	T	G	A	T	G	V	I	Y	G	V	R	L	L	Q	D	L	A	R	A	G	Y	V	E	T	H	L	L	V	S	N		
UniRef90_UPI000225F6D7	T	P	G	R	M	A	V	G	I	S	G	A	S	G	F	V	Y	G	V	R	L	L	E	L	L	R	D	L	G	L	E	T	H	L	V	V	S	R	D						
UniRef90_B9KIM5							K	R	I	V	G	I	S	G	A	S	G	A	L	Y	A	I	R	M	L	Q	K	L	R	Q	S	E	Y	E	V	H	L	V	V	S	D				
UniRef90_NOBIE3							K	K	I	V	A	I	T	G	A	S	G	Q	I	Y	G	L	R	A	L	Q	K	L	K	E	L	D	V	E	T	H	L	V	V	S	N				
UniRef90_B8KTP1							R	I	V	I	G	I	S	G	A	S	G	V	I	Y	G	V	R	A	L	Q	L	L	A	P	L	P	L	E	V	H	L	V	M	S	K				
UniRef90_M6VIB3							K	L	V	L	G	M	A	G	A	S	G	S	I	Y	A	E	R	F	I	Q	A	L	R	A	F	T	E	G	T	T	F	F	J	C	P				
UniRef90_Q13G14							R	R	V	V	A	I	S	G	A	T	G	A	I	Y	G	V	R	L	L	Q	A	L	R	A	C	S	V	T	T	H	L	V	V	S	R				
UniRef90_UPI0003613E2A							K	K	I	V	V	A	V	T	G	A	S	G	M	P	L	T	V	L	L	K	E	L	A	A	S	Q	A	E	I	H	L	V	V	S	D				
UniRef90_F4HBU5							K	K	I	V	V	A	I	S	G	A	S	G	I	V	Y	A	I	D	L	Q	S	L	R	T	G	Q	E	I	H	G	V	M	S	H					
UniRef90_UPI0003A44885							R	R	L	V	V	A	I	T	G	A	S	G	A	F	G	V	R	A	L	E	A	L	Q	G	D	G	V	E	T	H	L	V	V	S	K				
UniRef90_W8X8H4	M	N	P	P			R	R	L	V	V	G	I	S	G	A	T	G	V	R	Y	A	T	R	L	L	E	I	A	R	A	H	G	V	E	T	H	L	V	M	S	P			
UniRef90_F8A910							K	K	V	V	A	I	T	G	A	S	G	S	P	Y	A	V	S	F	L	K	L	K	Q	G	V	A	T	E	T	I	I	S	D	D					
UniRef90_A2SPI0							K	R	I	V	V	G	V	T	G	A	S	G	I	L	Y	A	K	R	L	L	E	A	L	K	Q	T	K	A	E	V	F	L	I	S	D				
UniRef90_Q9X696							R	L	V	V	G	M	T	G	A	T	G	A	P	F	G	V	R	L	L	E	N	L	R	Q	L	G	V	E	T	H	L	V	L	S	R				
UniRef90_F7V8U6							K	K	I	V	I	G	V	T	G	A	S	G	I	P	I	A	E	A	V	L	K	N	L	K	K	N	P	Y	T	S	L	L	V	M	T	E			
UniRef90_C8UXH4	M	I	E	L	K	R	I	V	I	V	G	I	S	G	A	S	G	T	I	Y	A	V	N	L	L	Q	H	L	K	R	D	V	E	V	H	L	V	M	S	A					
UniRef90_D7BBZ7							K	R	V	V	G	L	S	G	A	S	G	M	P	Y	A	L	D	L	L	H	T	L	R	R	P	H	L	Q	I	H	L	V	M	S	Q				
UniRef90_UPI00036A1356							K	R	I	V	V	G	V	T	G	A	T	G	A	P	L	A	V	R	V	L	Q	F	L	R	E	M	E	V	E	L	H	L	V	M	S	Q			
UniRef90_UPI000329913D							R	L	V	V	G	M	T	G	A	T	G	A	P	L	G	V	A	L	K	A	L	R	E	T	G	K	E	T</											

UniRef90_A1WAS2 A G W R N L R H E L D M D R A S V E A L A D V V H D
UniRef90_U2D518 W A Q Q T L I T E T K Y D L D Y I N S L A D A V Y D
UniRef90_U2SRW8 S G W K V L S Y E C G V T R A D F A R R V D V L Y D
UniRef90_UPI0004682480 W A K K N L Q L E T E M S L A D I K E L A D Y F Y S
UniRef90_Q46KX5 G S Y E V A K S E R G I N I P V E P N T Q E K F W R K K L E V Q S G K L T C Y R N
UniRef90_T0EWN1 A A I R V F Q E E Y E T K V S S S K E I L D F I E E C W K P T V R H N F K I R N
UniRef90_K8XGU8 A A R R T L A E E T N F E V G D L E A L A D V V H P
UniRef90_T0IW61 M G R K V L E Y E C G H T I E V I Q K Y A T V Y D
UniRef90_A3YYT9 G A I G V W L A E Q G V R I P S E P D L Q A C F W R E R T G V T T G Q L R C H R
UniRef90_UPI000418A61E T A R T T I P Y E T D Y S I E E V I E L A A K V Y D
UniRef90_C7LRV2 G A R Q V F R H E L N S D P L D L E S C F H F L H D
UniRef90_C4XKA7 G A A V T L A L E T D K T P A D L A A L A G V N H D
UniRef90_Q39TU0 A A G K N L E L E T S Y S L D E V R A L A D V V Y D
UniRef90_A2QSX4 W A E A T I K Y E T D Y T I A N V R A L A D H V Y N
UniRef90_I9BRV1 A G V M N L Q H E L D R D R A D V E A L A D V V H N
UniRef90_UPI0003C19C0E A A V L T L A Q E T G L S P A D L N A K A S V V H R
UniRef90_UPI0004279A21 A G E I T R A H E L N I D S K Q L H N L A N V V S Y P
UniRef90_UPI00047EB56A S G W R N L Q H E G D M D R A S V E A L A D Q V H D
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UniRef90_C0QG73 G G F R V L A H E M G F T P E K D L Q Q F L V N Q G V V C H S Q S A I E I F C
UniRef90_J2VMG0 A G V L N L H Q E L D L G R K D V E A L A D V V H H
UniRef90_UPI00036E5EFB S G A V T A A Q E L G V G R A D L D R L A D V V H N
UniRef90_J3DP12 A A L L T M A H E T D Y K L A D V T A L A S H Y H R
UniRef90_UPI00045E9AFE S G A R T L I A E T D F T P D A V R A L A H H V H N
UniRef90_C6AY87 A A I R T A L A E G T K T A D E I R G L A D R V Y S
UniRef90_R9SIX6 A A K T I T E Y E L D D V N L E D I V S L A D N Y Y E
UniRef90_UPI000317E1AA W A S A T V H V E T T Y T T K E V E A L A D Y T Y S
UniRef90_B8F3U7 G A E L T R Q Y E T N I S E Q L S L A D V V H P
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UniRef90_B4WQK4 A S Q Q V W Q G E H G T P M P T N T D Q Q Q D W W R K Q A D V P A G E L R C H A
UniRef90_UPI0004632C6A S A E V T L P G H E S D L G V A D V H A M A D V V Y A
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UniRef90_UPI0003B5B465 W A K A T L P L E T S Y T T S Q V E A L A D V S Y S
UniRef90_W5Y5B0 S A M L A M G H E T D T V Y D L K A L A D H V Y D
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UniRef90_M5RPK0 S G A A V I K Q E L G A T V D T Y N V D V A G L L T L S P S W S G S R I H Y H R
UniRef90_A0K434 A G W L N I Q H E L K L P K A D V E S R A D V V H S
UniRef90_UPI000225F6D7 A A L L T M V H E T G C K L S D V E A R A D F L Y R
UniRef90_B9KIM5 A A K V T M A H E C G H L L T V E Q L C T D Y C T H Y H D
UniRef90_N0BIE3 P A I I T M K Y E G V D L E D I K D L S D H F Y S
UniRef90_B8KTP1 S A E L T V H Y E L D L K P A E I R E M A D E Y H P
UniRef90_M6VIB3 A S L R V F R E E M E C K V Y S S K E L L D F L I S K Y I Q N T P H R F E I R N
UniRef90_Q13G14 A G W M T V A D E T G F D R A L R D A A D V Y H D
UniRef90_UPI0003613E2A A A K T V L E L I E S G L G L D H L T S Y A N F V Y T Q H
UniRef90_F4HBU5 W A K E N L R L I E S K M Q L S E L Y Q L M D Y H Y S
UniRef90_UPI0003A44885 A G A L T A Y S E L G L E L K D L K A K A D V A Y D
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UniRef90_F8A910 A G K K V L P L E A G L S F E E L L D L T E R L Y S
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UniRef90_F7V8U6 G A V R T L E T E S E Y T A E S F Q A L A D Q V F D
UniRef90_C8UXH4 W A K Q N L S L E T D M K Q S E L E A L A D Y V Y P
UniRef90_D7BBZ7 G A K R V L V E E A E T T V E A V E A L A H A V H R
UniRef90_UPI00036A1356 W A K T T L Q Q E C G M S Y R D L C A M A D V V H D
UniRef90_UPI000329913D W A K A T L E L E T A Y S V R D V A A L A D V C H S
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UniRef90_D2U4D6 A A K Q T L A L E T T Y S L R L D V Q A M A D V V Y D
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UniRef90_UPI0003B7A0A2 D G Y T N I R S L E T G E D S S E E W L K N R F D A E L Y D
UniRef90_UPI000475BCE7 P A E L T R S Y E T D Y S S K D I K S L A T H A Y N
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UniRef90_W9HB40 S G L R T I V S E T D H G I D Q V R A L A H R V Y A
UniRef90_F4CCI9 A A E M V R T Y E T G Y K H E H V V S L A H R V Y A
UniRef90_D3DF71 S G S L V M K E E L G L G R E D L L K R F P R L H L I P H S
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UniRef90_D9UMD9 S A R L T L L D E T G L S F R D A H W R E D L G A W L A R G A D G D D V R H W A
UniRef90_R7L3X0 S A K E L L H H E T G G E K C V F D A L L K T C P K E Y A G K I E K I S F F D
UniRef90_V71X8 G A V T T W E L I E T E M P L S R L T E I A D V V H S
UniRef90_UPI00032998BE A G H L N R E H E T D L S A D D V A A M A D V V Y P
UniRef90_UPI00035E5B0E S G V N L K Y E M G M D R H E L Y A M A D H C Y H
UniRef90_K8RHU3 S A L L T M Q Q E T E H K L A D V N P L A S F T Y R
UniRef90_H2CJ90 A A I R V F E N Q E F D T A L E E N P L D L L R Y A T E R A L Q A A H D F D I A Y E
UniRef90_M1MHW1 W G K K T L E A E T N Y T M E E V E Q L A D F I Y E
UniRef90_UPI0003775572 A A R V T L R Q E T D Y A V G D L L E L G D A V H D
UniRef90_UPI00037042BF W A R A T V L E T E T G Y D V R E F T A L A D E V H A
UniRef90_J2JZU7 A S R L T L L D E T G I A F R D A R W R A D L R E W T E A D L A D V R Y W P
UniRef90_B4DB52 Y A R Q V I N E E L G G E L L V A A S V R Q H S
UniRef90_C1DWA9 A A Y I V M E K E E G L T K S D F L K S L N Q N V E V I S
UniRef90_X2H5F7 A A Q L T H S Y E I P N M S L E Q I K S L A D K V Y S
UniRef90_E1RIP5 I A K K I A E Y E G V D L S G F N G V Y V G
UniRef90_F9F9A2 W G G A T L K Y E L D A P N N T P Q Y L E S L A S V T Y S
UniRef90_I7IHS8 A G K I T I N H E V T E K L E D I I S L A D F Y Y S
UniRef90_D7CHZ4 A S R L T L L D E T G I S F R D A H W R Q D L G R W L A R G A D D V R H W A
UniRef90_D4LPS0 S A E L T L R Q E T E L E P E D V K R L A D H V C A
UniRef90_D3PB49 D S V K N I Y Y E H N N L Y N I D D F F S F Y K I D R S K L T V Y D
UniRef90_W6EFD0 H A K I V L A K E A N T F L L D
UniRef90_E8UG54 A G L I T L K H E L G M D R K E F I A H A D Y T H G
UniRef90_J1L139 I A R E I A A F E G V S L A G F P V I E E D
UniRef90_A4YIV5 G A L K V A K A E Q G I D L I G A V R D I A K E V Y L

		90	100	110	120
UniRef90_A1WAS2	L A N V G A S I A S S G S F A A H G M V I V A P C C S				
UniRef90_U2D518	N L N M G A K I A S S G S F L S D A M L I V V P C C S				
UniRef90_U2SRW8	D A D L G G A T I A S S G S F R A G A V I V V L P C C S				
UniRef90_UPI0004682480	D N D L G G A T I A S S G S F L T D G M V I V V P C C S				
UniRef90_Q46KX5	W N D H S A S I A S S G S H K T K G M V I V V P C C S				
UniRef90_T0EWN1	H K D V I G A T I A S S G S N T W D M G M V I V V P C C S				
UniRef90_K8XGU8	N Q N L I G A T I A S S G S F R T M G M I V A P C C S				
UniRef90_T0IW61	N A D L L F A P L A S S G S F K V N G M V I V V P C C S				
UniRef90_A3YYT9	W N D Q G A A A L A S S G S F R T R G M I V A P C C S				
UniRef90_UPI000418A61E	N K N L G A A L A S S G S F K V D G M I V A P C C S				
UniRef90_C7LRV2	P A N I L A A A P A S S G S W E H S G M I V V C C C S				
UniRef90_C4XKA7	P A D L G A A A V A S S G S F R A A H G M V V A P C C S				
UniRef90_Q39TU0	N K D L G A S V A S S G S F R T R G M I V A P C C S				
UniRef90_A2QXS4	V H D M A A P I A S S G S F R V D G M I V A P C C S				
UniRef90_I9BRV1	P R D L G A T I A S S G S F A T H G M V I V A P C C S				
UniRef90_UPI000319C0E	A A D V G A A V A S S G S F A T L G M I V A P C C S				
UniRef90_UPI0004279A21	I G D V G A A I A S S G S F R T M G M I V I L P C C S				
UniRef90_UPI00047EB56A	I R N V G A A I A S S G S F R Q C Q G M V V A P C C S				
UniRef90_C0W4M5	P S D M A A L A S S G S F R T R G M V V A P C C S				
UniRef90_C0QG73	E T D Y A V I S P A S S G S F V H S G M V I V P C C S				
UniRef90_J2VMG0	V R D L G A S I A S S G S F A S C G M V V A P C C S				
UniRef90_UPI00036E5EFB	V R D I G A S I A S S G S F V T A G M V I A P C C S				
UniRef90_J3DPI2	A D D V A A G I A S S G S F R C L G M V V A P C C S				
UniRef90_UPI00045E9AFE	P K D I G A S V I A S S G S F V T E G M L V A P C C S				
UniRef90_C6AY87	H G D I G A S I A S S G S F R C D G M L V A P C C S				
UniRef90_R9SIX6	N D D L T A S V I N S G S F K F D G A V I I P C C S				
UniRef90_UPI000317E1AA	P K N L G A K I A S S G S F Q V D G M I I A P C C S				
UniRef90_B8F3U7	I H D L G A S I S S G S F K T I I G M L I A P C C S				
UniRef90_L1KUB8	P D D Q G A A I S S G S F P V D G M I V M P C C S				
UniRef90_B4WQK4	W G N V I G A S I A S S G S Y R A R G M I V I P C C S				
UniRef90_UPI0004632C6A	P D D I G A A I A S S G S F R T M G M L V A P C C S				
UniRef90_I3IQ31	N S D L S A T I A S S R Y S I K A M V I V P C C S				
UniRef90_UPI0003B5B465	S K D Q A A R I A S S G S F R T E G M I I A P C C S				
UniRef90_W5Y5B0	N R D L A A P V A S S G S F R T I G M I V V P C C S				
UniRef90_F3Z2J4	D D D L A A P P A S S G S W L H Q G M V I C P C C S				
UniRef90_M5RPK0	Y D D Y F T P I A S S G S F A T Q A M V V P C C S				
UniRef90_A0K434	V R D V G A T I A S S G S F A T D G M V I V A P C C S				
UniRef90_UPI000225F6D7	S D D V G A S I A S S G S F R T M G M I V A P C C S				
UniRef90_B9KIM5	T R N V I G A T I A S S G S F K T A G M V I V P C C S				
UniRef90_NOBIE3	T S D I S S R L A S S G S F K H D G M V I A P C C S				
UniRef90_B8KTP1	V R N V G A S I A S S G S F S G M G M M I A P C C S				
UniRef90_M6VIB3	F A D I G A D I A S S G S N S W K D G M V I L P C C S				
UniRef90_Q13G14	Q N E V G A S L A S S G S F Q H H D G M V I A P C C S				
UniRef90_UPI0003613E2A	N E V G A A P A S S G S W L H D G M I C P C C S				
UniRef90_F4HBU5	N R D M T S T I A S S G S Y L I D A M V I V P C C S				
UniRef90_UPI0003A44885	N N D L G A A I A S S G S Y V L T D G M I I A P C C S				
UniRef90_W8X8H4	H R D V G A V L A S S G S F R T A G M V V V P C C S				
UniRef90_F8A910	E H E L G A P P A S S G S T N Y G A M V I V P C C S				
UniRef90_A2SPI0	D L E A G I A S S G S F Q F D A M V I V P C C S				
UniRef90_Q9X696	P E D Q G A T I A S S G S F R T D G M V I V P C C S				
UniRef90_F7V8U6	I K N L G A S I A S S G T F Q T E G M I V V P C C S				
UniRef90_C8UXH4	V Q N Q G A T I A S S G S F L T D A M V I V P C C S				
UniRef90_D7BBZ7	S P D L G A P I A S S G S F R T V G M V V I P C C S				
UniRef90_UPI00036A1356	P R N Q G A T V I A S S G S F V Q E G M V I V P C C S				
UniRef90_UPI000329913D	A G D Q G A T I S S G S F H T D G M I V I P C C S				
UniRef90_E6R9Z0	N S D L A A P P S S G S F I H D G M F I I P C C S				
UniRef90_D2U4D6	N R D I A A A I A S S G S F L T S G M I I M P C C S				
UniRef90_A0A059KID5	P G E I G A C I A S S G S F D T A A M V I A P C C S				
UniRef90_Q7VLR2	I N N L S A S I A S S G S F K T L G M L V A P C C S				
UniRef90_UPI0003B7A0A2	Y R D F A A S V I A S S G S F K V D H Y V I A P A S M G S V				
UniRef90_UPI000475BCE7	N A D L G A N I A S S G S Y P D D G M I V I P A S V K I L				
UniRef90_F2B9P5	V G N L G A P V S S G S F P A D G M I V A P C C S				
UniRef90_W9HB40	P K D I G A S I S S G S F V T A G M L I A P C C S				
UniRef90_F4CCI9	L S D V I G A S I S S G S F K T M G M L I A P C C S				
UniRef90_D3DF71	K V D L S E V A S S G S R N Y R G V I V A P C C S				
UniRef90_UPI0002D62C58	A T D L G A S I A S S G S Y K T K G M I I A P C C S				
UniRef90_M2T418	A R D M T A P I A S S G S F L H D G M I V V P C C S				
UniRef90_Q975R1	E D Q T I E A P P S S S S H E T R G M V I V P C C S				
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UniRef90_R7L3X0	E S D F S A P P A S S G S Y V F D A M A V I P C C S				
UniRef90_V71X8	N K N L A A S I S S G S F L T D G M I V V P C C S				
UniRef90_UPI00032998BE	I R A V G A A I A S S G S F R T D G M V V A P C C S				
UniRef90_UPI00035E5B0E	F K D L G A T L A S S G G F K T D G M L I L P C C S				
UniRef90_K8RHU3	C D D M A A A L S S G S F S T L G M I V A P C C S				
UniRef90_H2CJ90	Y R D L G A R P A S S G A P Y H G M V I C P C C S				
UniRef90_M1MHW1	T A D L G A R I S S G S F Q V D A M I I A P C C S				
UniRef90_UPI0003775572	V D N L G A E T A S S G S F R T A G M L I T P C C S				
UniRef90_UPI00037042BF	P G N Q A A T I S S G S V H T D G M V I V P C C S				
UniRef90_J2JZU7	A G D L A A G P S S G S Y P V K G M L V P A S T A C V A G V				
UniRef90_B4DB52	D K T M N V P F V S S G S A R F D A M V V V P C C S				
UniRef90_C1DWA9	N Q N L G A S V I S S G S Y K T Q G V I V A P C C S				
UniRef90_X2H5F7	V N N V G A S I A S S G S F K T M G M L V A P C C S				
UniRef90_E1RIP5	E E D M F A D V A S S G S F R Y E G M I I C P C C S				
UniRef90_F9F9A2	P L D V I S A S I S S G S F R T D G M I I V P C C S				
UniRef90_I7IHS8	E E K I G E K L A S S S F R K T L G M I I A P C C S				
UniRef90_D7CHZ4	A G D L A A G P S S G S Y D V K G M L I V P A S T A C V A G V				
UniRef90_D4LPS0	P G E L G A K P A S S G S F K T E G M L I V P C C S				
UniRef90_D3PB49	Y R D F A A P V I S S G S F K V D D Y V I V P A S M K T I A G R I				
UniRef90_W6EFD0	D E N I G A I T A S S G S F Q T D A M A I I P C C S				
UniRef90_E8UG54	Y R D V S D M L A S S G T V S T L G M V V P C C S				
UniRef90_J1L139	N R N L A A E I A S S G S F R T D G M A V V P C C S				
UniRef90_A4YIV5	E N E M D A P P S S S A K T L G M A I I P C C S				

	130	140	150	160
UniRef90_A1WAS2	T R A A D V V L	K E R R R R	L V L M V R	140 P L H L V H
UniRef90_U2D518	T R A A D V T I	K E G R R K	L I M S P R	E T S P L S A I H H
UniRef90_U2SRW8	T R A A D V A L	K E E Q R K	L I L V P R	E T P L M H A I H H
UniRef90_UPI0004682480	T S R A A D V T L	K E E Q R K	L I M V P R	E T P L N T I H H L
UniRef90_Q46KX5	E R A A D V H L	K E R R R R	L I T S P R	E S P L N S L I H H
UniRef90_T0EWN1	E R A A D V S L	K E R R R R	L I L V P R	E T P Y N R L H H L
UniRef90_K8XGU8	A R A A D V V L	K E R R R K	L I L M V R	E T P L H R N H H L
UniRef90_T0IW61	T R A A D V T L	K E G R R K	L V V V P R	E T P V T P J H H L
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UniRef90_C7LRV2	H R A A D V T L	K E R R R P	L I L V P R	E T P L S E T H H L
UniRef90_C4XKA7	T R A A D V T L	K E R R R K	L V L V P R	E T P L H L G H H L
UniRef90_Q39TU0	I R A A D V T L	K E R R R P	L V L M V R	E T P L H K G H H L
UniRef90_A2QXS4	S R A A D V M L	K E R R R R	L V L A L R	E T P L S L T H H L
UniRef90_I9BRV1	T R A A D V C C	K E R R R R	L I M M V R	E T P L N L A H H L
UniRef90_UPI000319C0E	T R A A D V T L	K E R R R P	L V L M V R	E T P L H L G H H L
UniRef90_UPI0004279A21	T R A A D V V L	K E R R R R	L V L M V R	E S P L H A I H H L
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UniRef90_C0W4M5	S C A A D V T L	K E R R R R	L V L V A R	E T P L S L I H H L
UniRef90_C0QG73	S R S A D V C C	K E R R R P	L I L V P R	E T P L S S L I H H
UniRef90_J2VMG0	T R A A D V V L	K E R R R R	L V L M V R	E T P F N L A H H L
UniRef90_UPI00036E5EFB	T R A A D V V L	K E R R R R	L V L V V R	E T P L N L A H H L
UniRef90_J3DPI2	G R A A D V T L	K E R R R T	L V L M A R	E T P L N L A H H L
UniRef90_UPI00045E9AFE	V R A A D V C C	K E R R R R	L V L L R R	E T P L H A G H H L
UniRef90_C6AY87	V R A A D V C C	K E R R R R	L V L M V R	E T P L H A G H H L
UniRef90_R9SIX6	T R V A D V A L	K E R R R R	L I I V P R	E T P L R T T H H L
UniRef90_UPI000317E1AA	T R A A D V I L	K E R R K K	L L L M T R	E T P L R N D T H H
UniRef90_B8F3U7	A R A A D V V L	K E R R R K	L V L M V R	E T P L H L T H H L
UniRef90_L1KUB8	A R A A D V T L	K E R R R K	L V L V P R	E T P L S D I H H L
UniRef90_B4WQK4	E R A A D V Q I	K E G R R R	L I V V P R	E T P F S L T H H L
UniRef90_UPI0004632C6A	S R A A D V M L	K E R R R R	L V L M V R	E T P L H L G H H L
UniRef90_I3IQ31	Q R A A S I T M	K E G R R K	L V L V P R	E T P F S S I H H L
UniRef90_UPI0003B5B465	A R A A D V V L	K E R R R H	L L L M T R	E T P L N T I H H L
UniRef90_W5Y5B0	S R A A D V V L	K E R R R R	L V L V F R	E T P L H L G H C
UniRef90_F3Z2J4	H R A A D V T L	K E G R R P	L V L V P R	E T P L N R V H H L
UniRef90_M5RPK0	Q R A A E V H L	K E R R R H	L V L V P R	E T P L S V L Q H L
UniRef90_A0K434	T R A A D V T L	K E R R R K	L V L M V R	E T P F N L A H H L
UniRef90_UPI000225F6D7	S R A A E V T L	K E R R R R	L V L M T R	E T P L T R S H H L
UniRef90_B9KIM5	T R A A D V A L	K E R R R R	L V L M L R	E T P L H L G H H L
UniRef90_NOBIE3	V R S A D V T L	K E K R R K	L I L L V R	E T P L H E G H H L
UniRef90_B8KTP1	T R A A D V A L	K E R R R R	L V L M V R	E T P L H L G H H L
UniRef90_M6VIB3	E R T A D V T L	K E R R R T	L L L V P R	E T P Y N R L H H L
UniRef90_Q13G14	A R A A S V T L	K E R R R K	L I L L A R	E T P L T L A H H L
UniRef90_UPI0003613E2A	H R A A D V T L	K E R R R K	L I L V P R	E T P L N R I H H L
UniRef90_F4HBU5	G R A A D V T L	K E Q R R K	L I L V P R	E S P L S V L H H L
UniRef90_UPI0003A44885	A R A A D V I L	K E R R R R	L V M L F R	E T P L H L A H H L
UniRef90_W8X8H4	T R A A D V T L	K E R R R R	L V L M V R	E T P F N L A H H L
UniRef90_F8A9I0	S R A A D V M L	K E R R R R	L I L V V R	E T P F N E R H H L
UniRef90_A2SPI0	A R A A D V C C	K E R R R P	L I L V P R	E T P Y S R V H H L
UniRef90_Q9X696	A R A A D V V L	K E R R R R	L V L V P R	E T P L S E I H H L
UniRef90_F7V8U6	L R A A D V T L	K E R R R R	L V L V A R	E A P F H S I H H L
UniRef90_C8UXH4	G R A A D V T I	K E Q R R Q	L I I V P R	E A P L S P I H H L
UniRef90_D7BBZ7	T R A A Y V T L	K E R R R P	L I L V P R	E A P L P L P S L L
UniRef90_UPI00036A1356	A R A A D V M L	K E R R R T	L V L M V R	E T P L N S T I H H
UniRef90_UPI000329913D	G R A A D V V L	K E G R R R	L V L V P R	E M P L S T S I H H
UniRef90_E6R9Z0	S R S A D V C C	K E G R R K	M L V V R R	E T P L N D I H H L
UniRef90_D2U4D6	A R A A D V I L	K E K R R K	L I L G V R	E T P H L G H H L
UniRef90_A0A059KID5	T R A A D V T L	K E R R R R	L I L M V R	E T P F N L A H H L
UniRef90_Q7VLR2	T R A A D V L L	K E R R R K	L V L M V R	E T P L N L S H H L
UniRef90_UPI0003B7A0A2	E R C A D V A M	K E R R R D	L I V M F R	E T P L N D I H H L
UniRef90_UPI000475BCE7	T R A A D V V L	K E R R R K	L V L C L R	E T P F N L A H H L
UniRef90_F2B9P5	T R A A D V T L	K E R R R R	L V L M V R	E T P L N L A H H L
UniRef90_W9HB40	V R A A D V C C	K E R R R R	L V L M L R	E T P L H G G H H L
UniRef90_F4CCI9	S R A A D V T L	K E R R R R	L V L L F R	E T P L H A G H H L
UniRef90_D3DF71	H R S C E V A L	K E R V P R	L V L L R R	E M P Y S I T H H L
UniRef90_UPI0002D62C58	T R A A D V V L	K E R R R T	L V L M P R	E T P L H L G H H L
UniRef90_M2T418	S R A A D V T L	K E R R T L	M L V P R E	T P L S D I H H L
UniRef90_Q975R1	S R T A L N F L	R V R K R L	I L V I R E	T P L S G T I E L L
UniRef90_D9UMD9	Q R T A S V T L	K E R R R P	L V V A L R	E T P L S R P T H L
UniRef90_R7L3X0	V R A A E V A L	K E R R R R	L V V V P R	E T P L A L T H H L
UniRef90_V71X8	V R A V D V C C	K E N R R R	V V L V P R	E M P M G K V H H L
UniRef90_UPI00032998BE	T R A A D V V L	K E R R R R	L V L M V R	E T P L H V G H H L
UniRef90_UPI00035E5B0E	T R T A D V H L	K E R R R K	L V L V R R	E T P F N L A H H L
UniRef90_K8RHU3	S R A A D V T L	K E R R R P	L V L L A R	E T P Y T L A H H L
UniRef90_H2CJ90	E R A A D V T L	K E R R R R	L I V V P R	E A P Y S L I H H L
UniRef90_M1MHW1	S R A A D V T L	K E R R R K	L I L L T R	E T P L N T I H H L
UniRef90_UPI0003775572	T R S A D V T L	K E R R R P	L V L M P R	E S P F N R I H H L
UniRef90_UPI00037042BF	G R A A D V T L	K E R R R R	L V L V P R	E T P L N G E H H L
UniRef90_J2JZU7	Q R V A S V T L	K E R R R R	L V V T V R	E T P L N G P T H L
UniRef90_B4DB52	L R A A D V F L	K E R R R K	L I L V P R	E T P W N L T H H A
UniRef90_C1DWA9	Q R V C D V A L	K E R R K K	L L L V R R	E M P F S L L H H L
UniRef90_X2H5F7	T R A A D V V L	K E R R R R	L V L M L R	E S P L H L G H H L
UniRef90_E1RIP5	T R A A D V C C	K E R R R K	C I L M P R	E M P L S R I H H L
UniRef90_F9F9A2	V R A A S V T L	K E R R R R	L V L V A R	E S P L S S L H H L
UniRef90_I7IHS8	T R A A D V T L	K E R R R K	L V L M V R	E S P L S S L H H L
UniRef90_D7CHZ4	Q R S A S V N L	K E R R R P	L V L A V R	E A P L S G G T L R
UniRef90_D4LPS0	L R A A D V T V	K E Q R R L	L V L A A R	E A P L S S G T H L
UniRef90_D3PB49	E R A A D V A L	K E K R R L	T I L F R E	A P L N S S I H H L
UniRef90_W6EFD0	T R T A S V M I	K E K R R P	L I L A P R	E M P F S A I A L L
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	170	180	190	200
UniRef90_A1WAS2	V[C]P	P	M	P
UniRef90_U2D518	I[V]P	P	M	P
UniRef90_U2SRW8	V[M]P	A	C	P
UniRef90_UPI0004682480	M[V]P	P	I	P
UniRef90_Q46KX5	I[V]P	P	I	P
UniRef90_T0EWN1	L[V]P	A	S	P
UniRef90_K8XGU8	I[A]P	P	V	P
UniRef90_T0IW61	V[M]P	A	A	P
UniRef90_A3YTT9	I[A]P	P	V	P
UniRef90_UPI000418A61E	I[L]P	P	V	P
UniRef90_C7LRV2	I[M]P	P	C	P
UniRef90_C4XKA7	I[L]P	P	M	P
UniRef90_Q39TU0	I[L]P	P	M	P
UniRef90_A2QSX4	I[F]P	P	V	P
UniRef90_I9BRV1	V[F]P	P	L	P
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UniRef90_C6AY87	I[M]P	P	V	P
UniRef90_R9SIX6	I[L]P	P	I	P
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UniRef90_B8F3U7	I[F]P	P	V	P
UniRef90_L1KUB8	V[L]P	P	M	L
UniRef90_B4WQK4	I[V]P	P	A	I
UniRef90_UPI0004632C6A	I[M]P	P	V	P
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UniRef90_UPI0003B5B465	I[A]P	P	M	P
UniRef90_W5Y5B0	V[M]P	P	P	P
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UniRef90_F7V8U6	I[L]P	P	P	M
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UniRef90_R7L3X0	I[L]P	P	A	C
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UniRef90_K8RHU3	V[A]P	P	L	P
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UniRef90_M1MHW1	I[L]P	P	M	P
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UniRef90_B4DB52	V[L]P	P	A	S
UniRef90_C1DWA9	V[A]S	A	S	P
UniRef90_X2H5F7	I[F]P	P	V	P
UniRef90_E1RIP5	I[M]M	M	A	P
UniRef90_F9F9A2	V[F]P	P	V	P
UniRef90_I7IHS8	I[A]P	P	V	P
UniRef90_D7CHZ4	V[V]P	P	A	S
UniRef90_D4LPS0	I[I]P	P	M	L
UniRef90_D3PB49	I[I]P	P	A	P
UniRef90_W6EFD0	I[A]P	P	I	L
UniRef90_E8UG54	I[F]P	P	L	P
UniRef90_J1L139	V[M]V	A	S	P
UniRef90_A4YIV5	I[L]P	P	A	S

UniRef90_A1WAS2	Q G <input type="checkbox"/> P <input type="checkbox"/> D S
UniRef90_U2D518	N G
UniRef90_U2SRW8	E G D R <input type="checkbox"/>
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UniRef90_Q46KX5	N G
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UniRef90_K8XGU8	
UniRef90_T0IW61	G
UniRef90_A3YYT9	D G
UniRef90_UPI000418A61E	
UniRef90_C7LRV2	
UniRef90_C4XKA7	G G
UniRef90_Q39TU0	H G D N R
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UniRef90_UPI00037A3635 DEAE MGHIELSRREADLVVVA CGTANVTIARMANGLADNDL
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LHIELRARNWADILLVVA PLSDANTL MAKMA YGLADDDL
R G D P V I H I E L G S W A D I L L L A P L S A N T M A K M A H G L A D N L L
Q E D D V L R H I N I N K E T D L F L I A P A D A N T I T A K I A N G I C A D D D A V
R V I E H V L R C G V D N G W A D L L L V A P A T A N T V G K M A A V D D D T P V
G V L H I E L R K W A D I M V I A P L S A N T L A K I A G G L C C D N L L
R R S D P V L H I D L R R W A D I M L V I A P L D A N T L G K I A S G L I C C D N I V
H I A L S R S A D L L V V A Y P A T A N T L A R M A N G F A D D L A
H I E L G K T H D L V L V A P A S A N T L Y R L A Q G A A D
H I M L S R R Q A D L V V V A P A T A D M M A K Q A Q G L A S D L A
L A E W A E L I V V A P L S A T S L S K F T S G S A D G L L
E M G H I A P A T A D I L A R M A A G L A D D L A
D S Q H T L L E H V A L A E A A D L V V I A P A T A S L L A K I A A G L A D E M P
K I G D S V L H I E L A K W A D I I V I A P L S A H T A A K I A G G L C D N L L
D I E H V K Y A Q T D L L V A P A T A N T I S K F A Y K M A D N P I
K I E H V K Y S A Q T D L L V A P A T A N T I S K F A Y R I A D N P I
T K N P F I L L H N E L R R W A D I M L I A P L S A N T L A K I T H G I A D N L V
H E L R K W A D I F L I A P L S A N T L A K I L A N G I C C D N L L
L R D W A D I F L I A P L S A N T L A K I A G G F C D N L L
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D E V R H I E L R R W A D I F L V I A P L D A N T M G K F A N G L I C D N C
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V L H I E L R R W A D L V L V I A P L S A N T L A K I A S G G L C C D N L L
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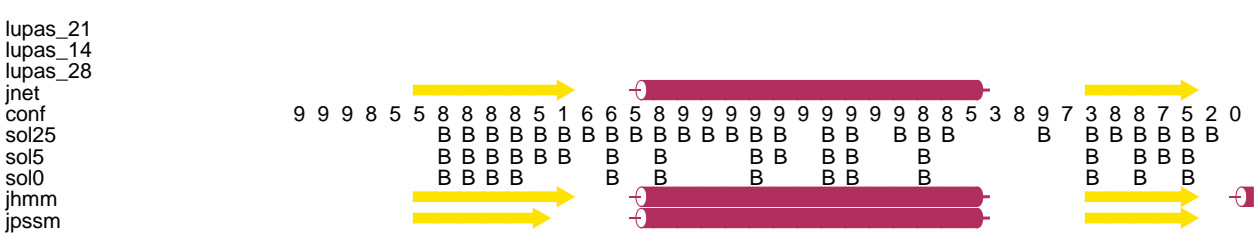
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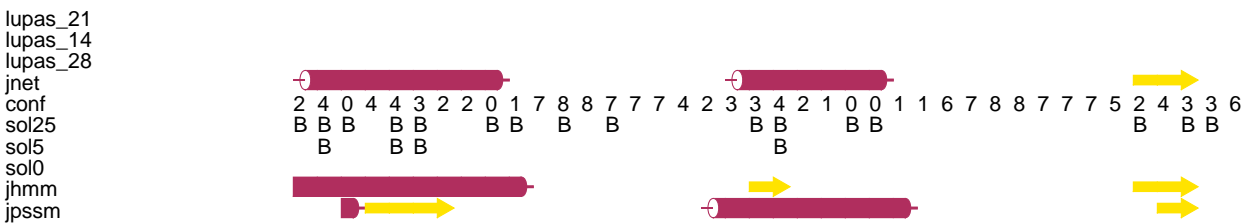
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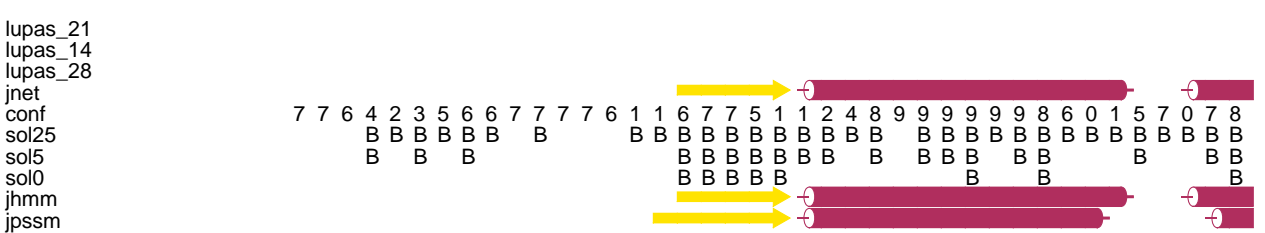
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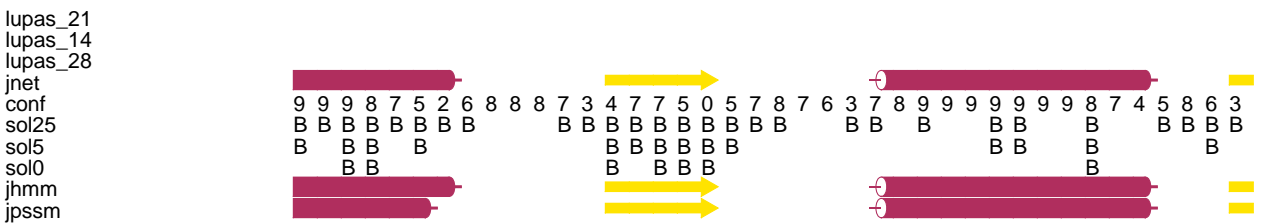
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