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L Y P L P A V L V T A T D G E G D N V F T V A W T G T V C
I N R E T F V E L M S G V C S P V T V V T T A D G E R P R G T V S S L A S L S
R E L R G L T R Q L P T G V A V V T A Q D G V A H G A T V S T V S V L S
E L R K A I G R I I S G G L Y I I T A K K G N L S G A M L A S W V A Q A S
D E M R H A L G H F A T G V T V V T G T D D G D P V G F A C Q S F A S V S
L Y P V P V L V T C Q N K K G E S N M T V A W A G T I C
D P A E R R R A L Y H L A S P V S V L T T G P E S R M H G T T A S T V T L V S
Q A E M R A A L G C F A T G V V V T T Q T E R G P L A M T V N S F T S V S
Q A V G R I V G S L C V V T T K H E I S S A M L A S W S Q A T
L Y P V P A V M V S C A D P E G P N I I T V A W A G T V C
K K A M Y K L T Y G L I I T A R E G E K D N G C I V N T V T Q V T
I D P G A F K D A M Y R L A S G V A I I S C W D R P G R G L V S S I T G L S
E A L D L I P Y P L A I V T A G D P G K R G G M T V A W L T R V S
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T R L L R D A F G Q F A T G V T V V T T M T K A G P M A I T A N S F A S I S
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S C G N M E R P N I I T I A W T G T L C
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T E Y T E A M A A L P T G V T V V T V R D G R D D I G G T V S A L C S I S
L Y P L P V V L V S S A D K G E K N V F T V A W A G T V C
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I P A T N V E Q A V G R I V G S L C V L T A K Q E D R A S A M L A S W V A Q A S
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L Y P A P I L V V C T A R Y D K E G P N A M T A A W G W I C C
S S R E F R D A L G Q F A T G V T I V T A R S P Q G P V G V T V S S F N S V S
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UniRef90_K9VJF3	R M E C G D H W V Y A S Q V E N G H L N D G V T A V H Y R K S G S H		
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V P R P I G W I S T K N K K G C N L A P S Q F N N L T
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F K P F M R E M P L P I A F I S T L S K D G V R N I A P Y S C I M P V
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50 60 70 80

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

	130	140	150
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UniRef90_U1H8Y9	I L Q L Q E A W L T L G E V V A V H I D K A		
UniRef90_V5FPK9	T P P M G T V D I I I G R V V G V H I S E D		
UniRef90_H4F3W3	S L E L G S R Q I V L G E I L F A H Y Q D G		
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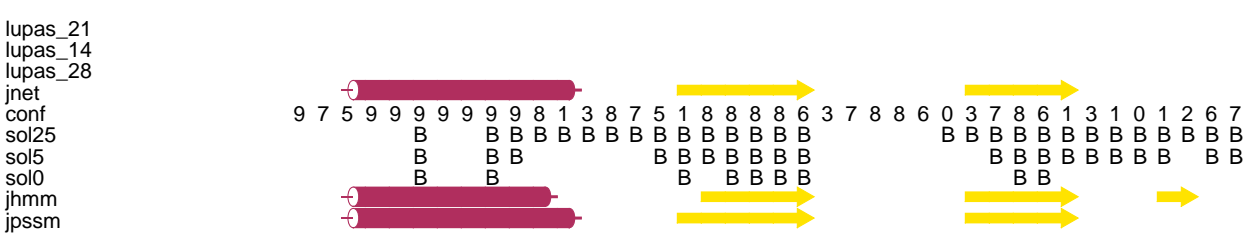
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UniRef90_C9A9B2			P R P V A V V S T Q S A D G V N I A P F S F F N I V S		
UniRef90_I3UDX8			P R P I G W I S T S S S G K V N L A P F S Q F N L V S		
UniRef90_M0M517	I D P D T V D S F Y R T L		P R P I A W V S S M A D G G L N L A P Y S F F N V V N		
UniRef90_Q13HX9	L S P R D G Y K L L S S V		P R P I A V V S A D A N G R L N A A P F S F F N L F S		
UniRef90_K2GZ90			G P V V M I T A Y D E E R T T G M T C Q W N M P		
UniRef90_M5FQL0			V P R P V A F V S S I S E T G V N L A P F S F F N M V A		
UniRef90_I4FC09					
UniRef90_A8LPU8			P R P I G W I S S R G A D G Q D N L A P S F F N A V A		
UniRef90_K7R6A4				G R N F M P M A W W M P A S	
UniRef90_S7QF11		G I V	P R P I A F V S T I S N T G I N L A P F S W F N M V T		
UniRef90_A8TWR9	F K A V V S		P R P I G W I S T V D A E G R S N L A P S F F N A M A		
UniRef90_H1C7J3		L Y P Q	P V L M I A T Y G E D G P D V M N A A W G G I A D		
UniRef90_G8AYR8		L P R	P I A W V T R S A E G R V N A A P Y S F F N V F G		



		50	60	70	80																																				
UniRef90_UPI000300622E	S	N	P	T	L	L	I	N	V	G	L	K	K	D	T	A	R	N	A	Q	D	T	G	E	L	V	V	Q	L	V	S	A	E	Q	A	E	A	M	N		
UniRef90_A1WQL3	Y	K	P	P	I	V	A	F	A	S	V	G	W	K	D	T	L	R	N	T	Q	A	T	G	E	F	V	V	N	L	A	T	R	T	L	A	E	Q	V	N	
UniRef90_R6TL68	D	D	R	E	L	S	M	C	I	S	A	E	H	K	T	T	A	N	I	L	A	R	K	A	F	T	V	S	M	A	T	A	E	Q	M	V	A	C	D		
UniRef90_C5NW82	G	D			M	I	T	V	G	L	T	T	D	S	N	A	V	D	N	I	K	E	Y	G	E	F	T	V	N	V	P	C	Q	Q	I	L	S	K	V	E	
UniRef90_U2MC42	T	N			Q	I	M	L	C	L	S	E	N	H	K	T	T	K	N	I	R	A	K	G	S	F	T	V	S	F	A	T	A	D	T	A	V	P	A	D	
UniRef90_M7SRT8	H	E	P	P	L	L	G	I	S	L	G	P	W	D	A	S	F	A	T	L	K	K	Q	R	E	C	V	I	A	V	P	S	V	E	M	A	G	V	V	V	
UniRef90_UPI000440AEA7	M	S	P	P	L	V	A	F	S	L	R	V	P	S	R	M	A	E	R	I	L	P	E	T	H	F	V	A	N	I	L	S	A	S	Q	P	R	T	A	L	
UniRef90_C9A9B2	S	E	P	V	I	L	S	L	A	I	Q	R	K	K	D	T	A	R	N	L	L	A	T	K	E	A	V	V	H	I	L	D	Q	T	N	V	Q	E	A	N	
UniRef90_I3UDX8	T	A	P	A	V	V	M	F	S	C	N	T	E	K	D	T	L	A	N	V	R	E	T	G	E	F	V	T	N	V	V	S	W	D	L	R	E	A	M	N	
UniRef90_M0M517	V	D	P	P	V	V	M	F	A	P	S	A	R	A	D	S	A	R	N	V	E	E	T	G	E	F	V	N	V	V	T	E	P	F	A	A	M	N			
UniRef90_Q13HX9	D	D	P	P	V	I	C	L	G	I	M	G	R	A	G	Q	Q	A	N	I	R	A	R	G	E	F	V	N	L	V	P	E	R	L	A	H	Q	M	N		
UniRef90_K2GZ90	L	S	R	L	S	V	A	V	K	M	G	A	S	S	Y	T	S	K	C	I	L	K	T	K	K	F	V	I	N	V	P	T	K	E	L	L	E	S	V	R	
UniRef90_M5FQL0	F	D	P	P	A	L	I	I	S	C	S	N	K	P	R	L	C	H	N	L	R	T	K	G	F	T	V	N	I	I	S	E	P	F	V	E	N	A	N		
UniRef90_I4FC09																																									
UniRef90_A8LPU8	Y	V	P	P	Q	V	M	F	A	S	T	S	A	K	E	D	R	A	N	I	R	E	T	G	V	F	C	V	N	L	V	S	Y	A	L	R	D	V	M	N	
UniRef90_K7R6A4	K	E	P	F	R	F	L	L	A	V	D	R	K	N	H	T	L	S	L	L	R	Q	L	S	E	A	A	L	C	F	L	P	W	E	E	R	A	W	V	Y	
UniRef90_S7QF11	H	S	P	V	V	S	I	S	C	V	R	V	H	D	T	T	D	N	I	K	A	N	R	G	F	T	V	N	I	S	E	P	W	V	E	A	A	N			
UniRef90_A8TWR9	F	L	P	P	V	V	F	G	T	G	T	H	K	D	S	Q	R	N	V	E	A	T	G	E	F	V	C	N	L	V	S	E	A	L	K	E	Q	M	N		
UniRef90_H1C7J3	M	K			R	V	A	M	Y	L	S	A	S	H	K	T	V	K	N	I	L	A	R	K	A	F	T	V	S	M	A	D	A	D	H	V	T	E	C	D	
UniRef90_G8AYR8	S	D	R	P	V	V	C	L	G	V	D	R	P	K	D	T	V	V	N	L	R	E	T	R	E	F	V	I	N	L	V	P	A	E	A	M	N	L	T	C	

