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UniRef90_C3XBT3	LKLL	L	AA	GIGT
UniRef90_I2BAW2	IKLL	L	L	GFGT
UniRef90_E3BKK2	IKV	L	L	TN
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UniRef90_D7N228	IKV	L	L	AV
UniRef90_B3MLX7	IKV	L	L	AV
UniRef90_UPI000375D4BE	IKF	L	L	T
UniRef90_C4SQ08	IKLL	L	L	ANY
UniRef90_F5SZE1	LKLL	L	L	AA
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UniRef90_B0CC24	LKLL	L	L	L
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UniRef90_Q7PY41	IKILL	L	L	L
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L G G P A A L Q Y L A A A G V G T L L T E L V D D D D D D R D D Y V D E A S N N Q Q R R Q Q T L L Y C E Q
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UniRef90_J9R2Y2	I	L	G	R
UniRef90_X0W7I6	I	L	G	R
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UniRef90_D3NRH9	L	G	L	P
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UniRef90_UPI00037EDC9F	I	G	Y	N
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UniRef90_W0DS45	I	I	G	L
UniRef90_B3EN73	I	G	K	A
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UniRef90_C7LY70	V	G	M	A
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 M N S V N V L E H H L K L K S Q N A L D V V R Q
 V G R A K V E S A A D A V R A L M D S E V E L R L Y A E R L L T S Q N A P D I L V G
 I G Q P K A D L M K E R I N D I N P E C E V V A L K M F Y T E E T Y E E F F H D
 V G G P K T K A M K E R I N D I N P A A C Y D R T L E S F Y L P D A A E R F F H Q
 V G R P K A D V A R E R M E A L N P A S M R I E G R G P D N A E Q L F C H E
 V G K S K A E V A A A F V Q R R V P D V K I T P H N C K I Q D F D E D F Y M Q
 G E A K V D A M A S R I N E I N P D C N V L S V I D D F L T L E S N F R E H I E K S
 I K K K A L V A K D V A H N F R P D D V K L E A Y H A N I L M D S S Q F V G W F K G
 I G R P K V E V M R D R I L E I N P K A E V V A I Q K F Y M P G C A E E I L L Q G S
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 I G E N R A E T S L I Q R A R A L N P M V D V T A E T K A V D D L P D S Y F A T S
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 I G K E K V F C A R R A L A A R D P A C V V D A R A H A L T A S A T G E A A L D G G
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F D V V C L T C C K E A L V K L E Q C H E K E I K F F T G S D V F F G F H G Y M
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F D Y V V D C I D S L T P K L H L I E G A Y R K G F P L V S S M G A G G K V D P
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Y D Y V V D A G L D S V T A R R W I N A T L V M K C K E L D P L I S S M G A G N K L D A
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U N I R E F 9 0 _ E 2 N 6 2 7 V G R D K V D V M Q E R I L D I N P D I N I R N F K E K Y N E E T S E M F F Q D
U N I R E F 9 0 _ U P I 0 0 0 4 4 1 5 5 0 3 V G R M K S G T A A D A V K K M N P N V K I V A H E N R V G P D Y N T D D F F E A
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U N I R E F 9 0 _ U P I 0 0 0 4 6 7 2 8 0 4 I G R F K V I A A A E A M A A L N P E V I V T P R A E W L T P A N A P A L V A D
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U N I R E F 9 0 _ H 2 X M 9 1 V G Q P K V E S A R T A L A R K I N P N V I Q F T L I D A M L D S D D A L F A S Q I A R
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U N I R E F 9 0 _ D 6 D U U 6 V G Q P K K A D T A G A A V K K M N P E V N I I A H Q N R V G P E Y D S D T F F E A
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U N I R E F 9 0 _ M 9 N P G 8 I G G C P K K S S I A A S V V K V I N P Q L N I E A H E N K V E D V Y Q D A F F F E S
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160

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C D L A I D A L D G T L T H R L L A L Q Q C A K A A N T P L V E T G A A G W T G Y V
Y D Y I V D A L D T S V T T G D K L A L Q Q Q N A H S D A G T P L V E T G A A G W T G Y V
Y Q V V V L T D S L E A R R Y M N Q P D L J A T V K P M V D G G T E G F K G H A
F H V I V L G L D S S V J A R R W L N E A C F K T G I V P L I D G G T E G F K G H A
F V F C A A D Q P I W I Y K W L N E A C F K T G I V P L I D G G T E G F K G H A
F D Y V I D A T D S L G A K A A M J A Y C K R N K L R A L I T I G G A G G Q V D P
F S V V V L T D T P L A E Q L S R I S S F A T H A H N I A L I V A D T R G L I E G Q V
V D L V C V T D S S R A E L S R I S S F A T H A H N I A L I V A D T R G L I E G Q V
Y D Y V V D C I D T S V S A K I E L I K R C H Q L N T I S M I S S M G
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P D L I D A I D N L T A K A H L I A Q C R E R G V P L V V S G G
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UniRef90_A0A023B9A9			R T E L L V K E S G I G K L	Q D N A N L L I V	G L G G
UniRef90_C6WZL3			E S L Q F L L D T C K	L L V I G	G A G G
UniRef90_UPI0003C1411E		L P E D E V S R Y D G Q I A V	F G K T F Q D K I T N L N	Y F L V	G A G A
UniRef90_L1IE57		I S E E E A A Q Y D R Q I R L	W G L D A Q K R L R A S R	V L L V	G M R G
UniRef90_W5NAP2				E C K V L V V	G A G G
UniRef90_F0Y4F6		R Y D A Q I A I	F G R K F Q E K L A D S K W F I	V	G A G A
UniRef90_A1BXJ3			I S E M S L Q M F S N F K I	L V I	G A G G
UniRef90_G3J8P3		M T D L Q H D E Y D R R F A A K	I Y G D E A F S Y Y E K S H	V M V I	G I G G
UniRef90_N9CTJ3			L G K E A M L K M Q L S N I L I	I	G M K G
UniRef90_G8BUQ5		A S M S A E D S N P Y S R Q L M A L K R	M G V P N Y E D T R K L S	N I L V	G L G G
UniRef90_A0A024UXV7		D I D E D L H S R Q L A V	Y G R E T M R R L F A S N V L V S	G L Q G	
UniRef90_MORFS3			R Y D G Q I A V	F G S D F Q N K L K Q K Y F L V	G A G A
UniRef90_E7EYF3			R Y D N Q I A V	F G R E F Q D K I A N Y R Q F L V	G A G A
UniRef90_F4RE02				Q F L L E S A K V L V I	G A G G
UniRef90_A7S3Z1		Y S R Q I Y A	L G E S A M M H L R R A S	V L I S	G I G A
UniRef90_F1KSG5		Y S R Q L Y V	L G H D A M Q K M A N S D	V L I V	G M K G
UniRef90_E3KBL0		S D N Y N Q R F G G T R R L	Y G D R Q V E L R A A	H V C V I	G I G G
UniRef90_C9P6G9				C K I L V I	G A G G
UniRef90_E3JQC3			R Q Q A F F E P G A E T I E R L R	D T H V L V V	G A G G
UniRef90_UPI000185E315		K L S E E E I A L Y D R Q I R L	W G L E A Q T N M R S A K	V L L I N	L G S
UniRef90_G0V9C6			D D A R T D Y D R Q I R A	F G S D G Q A K L E R L R I	A V V G T G G
UniRef90_UPI00037A6149		I S E A E A A L Y D R Q I R L	W G V E A Q N R M R K A	V L L V C L R G	
UniRef90_G7E8M5				N I L M V	G A G G
UniRef90_K8EX04		K L S E D E I A L Y D R Q I R L	W G M A A Q A N M R S A K	V L L V N	L G S
UniRef90_G0WGJ9			Y S R L M A L K R M G T I N N Y E E	T R K F S I	A I V G I G G
UniRef90_A9RCQ0		E R Y N R Q I N F F S	I G V D A Q V K L K N S T I	L I F	G C G A
UniRef90_A8MGD8			Y G E A K M K R L E E A	H V L I V	G T G G
UniRef90_F3ZRW4		S S L P E S E F A R Y S R Q L Y V	F G K A F Q A R L A N T R E	F L V	G S G A
UniRef90_M5E7Y7			L G K E A M L K M Q H S T	V L I I	G L K G
UniRef90_C5DC89		R Y D G Q L A I	F G S S F Q D T I Q N L R	Y F L V	G A G A
UniRef90_UPI000359614B		F D K R L A F R G	I G N D G F E K L Q S S	H V T V I	G V G G
UniRef90_R5EF14		Y S R Q I	G T F G F D M M G K L Q K L	N V L I I	G M K G
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UniRef90_UPI000441231F		L D D A T A A R H R R T R L V T G	L G E R G Q A R L A A A R	V L V L	G A G G
UniRef90_U2PVL0		E L T E Q E T A A R R R Q I R V	W G A D A Q R R L T K S	H I L V Y	G M K G
UniRef90_B9RAD1		D Q Q R F G G I A R L Y	G H Q A Q I L F S R A	H I C V I	G M G G
UniRef90_E0WT62		E R F R R N Y G V	F S A D A M G R L L Q T R V	F V L	G C G G
UniRef90_B6WUD6		D E D L Y S R Q L Y V	L G K E A M L K M Q N S	N V L I I	G L K G
UniRef90_C4R5S2			L G H E A M K R M G S S	N V L V	G L K G
UniRef90_S7ZQ00		Y S R Q L Y V	Q A S K S L T T S A I	L V I	G A G G
UniRef90_Q6BJ52		Y S R Q L Y V	L G K E A M L K M A K S	V L I I	G L K G
UniRef90_I2K0U1		R Y D G Q I A V	F G R P F Q E K L S N I	K Q F L V	G A G A
UniRef90_F0XFE2		Y E R T Q I L	I G D D G I R S L Q N T N I	F L A	G T G G
UniRef90_E9BGQ9			G E P N I E S L E R M K L L		G A G G
UniRef90_R7YQN6			R L Y G A G A A R A L A V S	H A C V I	G I G G
UniRef90_N6Y8J5		E T T K P I N S R Y D N Q I A V	F G L E F Q R K I A N L S	V F L V	G S G A
UniRef90_C5DZ85					G
UniRef90_X1B271		T E D E A A L Y D R Q I R L	W G L E A Q N R M R S A	H V L L V	G L T G
UniRef90_M5E943		Y M D Q F A R T Q L L	L G V D A M E R L K K S R V	A V F G V	G G
UniRef90_H1LSX4		N K Y S R Q D L F F S	L F K Q N K E L F A N K K	I L I L	G L G G
UniRef90_R7MDT7			M D K Y S R Q I G A	F G L E T M A K L V K L R	V L I V
UniRef90_B1L6A2			R Y D G L I A V	F G Q K F V E R L N Q Q K Y	F M V
UniRef90_D0N735			Y S R Q L Y V	L G K E A M L K M Q N S N	V L I I
UniRef90_A9V503		I T E E E I Q R A L A E R	H S P E V R K K I A G A R	V A V A	G L G G
UniRef90_W6MJ45		I S A D E I A L Y D R Q I R L	W G I T A Q Q K L A R A S I	L I I T	M K A
UniRef90_C0C4N7			L G E E C F N R I R S T K	V M I	G A G G
UniRef90_G2QBP0		S K L L D E E L Y S R Q L Y V	L G S A A M Q R I Q G A K	V L L S	G L Q G
UniRef90_C5MCP7		S G M T E D E I A L Y D R Q I R L	W G M R A Q E K L K G V	R V L V V	G A G G
UniRef90_UPI00045D7F8C				L E Q C R I	L V I G A G G
UniRef90_U7Q2C6		M A S E E I D L Y S R Q R Y V	L G D S A M K R M A Q S	V L L C	G V G G
UniRef90_R1BJZ5		S D E Y E R R F A G S A K V	Y G E Q A F S H F E Q A	H V M V I	G I G G
UniRef90_E9CA21			M S R Y E R Q T V L P S	V A D A G Q A A R Q S	H V L V
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UniRef90_UPI00047DFC79			Y S R Q L Y V	L G H E A M K R M G S S	H V L V
UniRef90_UPI000469C86D				M N S C K I	V L V G A G G
UniRef90_UPI00020353AB			Y S R Q L Y V	M E K N I	L V V G C G G
UniRef90_F9XJ26		Y S R Q L Y V	L G H E A M K K M A N S	N V L I V	G L Q G
UniRef90_G6DQB8			R Y L K N I G T	L T C E G Q N R L F	Q T T V
UniRef90_L2GSK6		M T R Y A R Q M I L P Q	V G P S G Q E A L A R A	V V V	G A G G
UniRef90_Q6C6V1		Q I T E E E A E L Y D R Q I R L	W G L D A Q K R L R A S	L L V	G L G G
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UniRef90_A3SYA9			Q F S R T E R I	L G R E F I E R L S	S R V A I F
UniRef90_W4Y229		L T E Y E A K I Y D R S I R L	W G V D A Q A K L R Q S	K V L F I	G I N G
UniRef90_R6Q397				M K N S T	V A V L G I G G
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UniRef90_Q54WI4				G N E S I D I M K T K	H V A V F G C G G
UniRef90_W7Y753		Q L P E S E F Q R D D G Q I A V	W G R S F Q E K L H Q L R	L F L V	G A G A
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UniRef90_Q7VKW8			R Y D R Q I R L	W D E G Q S C I E H A S	V V L G A S A
UniRef90_D3T738		H Q F S R N E L A	Y G K E G L A L L K E K T	V V V L	G I G G
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T	G	V	E	V	A	K	N	V	L	A	G	P	S	K	M	T	L	H	D	D	T	T	T	E	M	V	D	L	G	N	N	R	Q	F	L	S	E	A	D			
V	G	S	F	A	A	K	N	F	L	A	R	S	G	G	V	R	K	I	H	V	D	D	M	D	V	D	I	V	T	N	N	L	N	R	Q	F	L	S	E	A	D	
L	G	C	E	L	L	K	N	F	L	A	R	S	G	G	V	R	K	I	H	V	D	D	M	D	T	I	D	V	S	N	N	L	N	R	Q	F	L	S	E	A	D	
L	G	C	E	M	L	K	N	W	A	M	M	G	K	G	C	I	H	I	T	D	M	D	T	I	E	K	S	N	N	L	N	R	Q	F	L	S	E	A	D			
L	G	A	E	I	L	K	N	F	L	A	R	S	G	G	V	R	K	I	H	V	D	D	M	D	T	I	D	V	S	N	N	L	N	R	Q	F	L	S	E	A	D	
L	G	C	E	L	L	K	N	F	G	M	V	G	D	G	Q	I	F	V	T	D	M	D	T	I	E	K	S	N	N	L	N	R	Q	F	L	S	E	A	D			
L	G	C	E	L	L	K	N	F	L	A	M	S	K	F	K	F	I	H	V	D	D	M	D	T	I	D	V	S	N	N	L	N	R	Q	F	L	S	E	A	D		
V	G	S	W	A	V	E	A	L	A	R	T	G	I	G	E	L	T	L	V	D	M	D	S	I	A	A	S	N	L	N	R	Q	F	L	S	E	A	D				
L	G	I	E	I	A	K	N	V	L	A	G	V	K	S	M	K	L	Y	D	P	E	L	I	K	I	E	A	N	L	S	T	Q	F	F	S	E	E	N	Q			
L	G	S	V	A	A	E	M	L	T	R	C	G	K	K	L	T	L	Y	D	D	E	D	R	V	E	L	A	N	M	N	S	N	R	Q	F	L	S	E	A	D		
L	G	A	E	I	A	K	N	L	V	L	A	G	V	K	S	I	T	L	H	D	E	G	T	V	E	L	W	L	S	T	Q	F	F	S	E	E	N	Q				
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L	G	C	E	M	L	K	N	W	S	M	M	G	E	G	K	I	S	V	T	D	M	D	T	I	E	K	S	N	N	L	N	R	Q	F	L	S	E	A	D			
L	G	C	E	L	L	K	N	F	L	A	L	C	G	F	N	D	I	H	V	D	D	M	D	T	I	D	V	S	N	N	L	N	R	Q	F	L	S	E	A	D		
V	G	V	E	I	A	K	N	F	L	A	R	S	G	G	V	R	K	I	H	V	T	I	H	D	T	Q	T	A	Q	W	L	D	L	S	A	Q	Y	L	R	E	G	D
L	G	V	E	I	A	K	N	F	L	A	R	S	G	G	V	R	K	I	H	V	T	I	H	D	P	A	P	T	Q	Q	A	N	L	G	T	Q	F	F	L	R	E	D
V	G	S	W	A	V	E	A	L	A	R	S	G	I	G	E	L	T	L	V	D	M	D	S	I	A	A	S	N	L	N	R	Q	F	L	S	E	A	D				
L	G	C	E	I	L	K	N	F	L	A	R	S	G	F	A	R	D	I	H	V	D	M	D	T	I	D	V	S	N	L	N	R	Q	F	L	S	E	A	D			
L	G	C	E	V	L	K	N	F	L	A	R	S	G	F	R	D	N	V	L	D	M	D	T	I	H	V	T	E	D	L	S	N	R	Q	F	L	S	E	A	D		
L	G	T	E	I	L	K	N	I	V	L	A	G	V	K	S	I	H	L	N	I	D	M	H	I	V	T	E	E	D	L	S	N	R	Q	F	L	S	E	A	D		
T	G	S	V	V	T	Q	L	A	Y	L	G	V	R	N	F	L	L	I	D	P	D	T	V	E	R	T	N	L	N	R	T	V	G	A	T	P	N	S	D			
I	A	T	E	I	T	K	N	I	V	L	A	G	V	R	N	F	L	L	I	D	D	Q	A	V	I	E	E	D	L	A	T	G	F	F	L	R	E	S	D			
L	G	C	E	L	L	K	N	F	L	A	R	S	G	I	G	E	L	T	L	D	D	T	I	D	I	S	N	L	N	R	Q	F	L	S	E	A	D					
L	G	T	E	I	L	K	N	I	V	L	S	G	I	G	H	L	T	L	L	D	S	H	I	V	T	E	E	D	L	S	N	R	Q	F	L	S	E	A	D			
V	G	S	W	A	A	E	M	L	T	R	C	G	I	G	E	N	F	L	L	Y	D	Y	D	T	V	E	E	S	N	N	L	N	R	Q	F	L	S	E	A	D		
V	I	G	G	D	L	A	E	M	L	A	M	C	G	V	E	N	F	L	L	Y	D	Y	D	T	V	E	E	S	N	N	L	N	R	Q	F	L	S	E	A	D		
V	G	A	Y	A	A	E	M	L	C	R	A	G	V	G	K	M	T	L	V	D	G	D	T	V	Q	P	S	N	L	N	R	Q	F	L	S	E	A	D				
L	G	C	E	M	L	K	N	W	S	M	M	G	E	G	R	I	Y	V	T	D	L	D	T	I	E	K	S	N	L	N	R	Q	F	L	S	E	A	D				
L	G	V	E	I	A	K	N	I	A	L	A	G	V	K	S	I	T	L	F	D	P	A	P	V	V	L	E	D	L	S	N	R	Q	F	L	S	E	A	D			
L	G	C	E	M	L	K	N	W	A	M	M	G	R	G	Q	I	T	F	V	T	D	M	D	R	I	E	K	S	N	L	N	R	Q	F	L	S	E	A	D			
L	G	S	W	A	T	E	A	L	C	R	T	A	T	E	S	I	T	L	D	N	D	V	I	E	L	T	N	S	N	L	N	R	Q	F	L	S	E	A	D			
T	G	I	E	I	A	K	N	L	A	L	M	G	V	K	S	I	K	L	L	D	N	D	V	I	Q	R	R	D	N	L	S	G	V	N	Y	F	V	R	A	S	S	
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L	G	S	P	V	L	Y	L	A	A	A	G	V	G	T	L	G	V	C	D	S	D	V	V	E	L	S	N	L	N	R	Q	F	L	H	G	E	A	D				
T	V	A	E	F	C	K	N	I	V	L	A	G	V	G	S	L	T	L	V	D	D	R	A	V	T	E	D	A	N	L	S	A	N	F	L	I	P	E	D			
V	G	S	W	A	V	E	A	L	A	R	T	G	I	G	A	I	T	L	I	D	M	D	D	V	C	V	T	N	L	N	R	Q	N	H	A	V	R	E	N			
L	G	G	H	V	A	S	L	L	A	R	L	G	G	L	R	L	C	D	S	E	D	L	F	E	E	S	N	L	N	R	Q	F	L	S	E	A	D					
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U n i R e f 9 0 _ W 7 U E 4 0 L G S N I A I A L A R A G I G R L H I I D F D C V D I L S N L N R N R Q Q Y F P D Q
U n i R e f 9 0 _ Q 2 M 0 I 6 V G C E T A K G L V L P G I G G F T V A D G S D I V K E E D L G N N F F L D A S Y
U n i R e f 9 0 _ D 8 L R M 0 L G C E L A K D L A L S A I T D T V I D D M D S I V A E S N V N R N R Q Q I H A L D D D T
U n i R e f 9 0 _ C 6 W X 8 2 V G S W A A E A L A R N A V G A N I T V I D L D N V A E S N V N R N R Q Q I H A L E S T
U n i R e f 9 0 _ R 6 Y 4 2 7 V G G Y V I E A L A R S G V G A L D L F D G D T I A L T N I N R N R Q Q I I A L E S T
U n i R e f 9 0 _ U P I 0 0 0 3 5 F E 5 F 0 V G S Y A A E G L A R A G V H I V L V D N D L I C L T N N R N R Q Q I H A T T T Q T
U n i R e f 9 0 _ R 5 A Y 8 1 V G S W T A E A L V R S G V K N L T I V D A D K V A A S N I N R N R Q Q L M A L H S T
U n i R e f 9 0 _ Q 4 R X B 2 I G C E L L K N F A L M G D G H I T V I T D M D R V E K S N N L N R N R Q Q F L F R S Q D
U n i R e f 9 0 _ R 1 D 2 9 2 V G S V A A E M L V R C G V G K L L I F D Y D K V E L A N M N R Q Q L F Y T P D Q
U n i R e f 9 0 _ B 7 X H R 1 I G C E N I K N F I M C G Q G T L F I T D M D S I E E K S N N L N R N R Q Q F L F K E N D T
U n i R e f 9 0 _ T 4 V X N 8 V G S F A A E A I A R A G V G K M T I V D D D V D I T S D L N R N R Q Q L P A L H S T A
U n i R e f 9 0 _ Q 7 S X P 2 S G T E I L K N L V L P G I G A F T I V D G H H K V S G E D V I N G N F F L S S A
U n i R e f 9 0 _ A 0 C M C 8 I G C E L L K N F A M L N K G S I T I T D P D H I E V S N L N R N R Q Q F L F R E K H
U n i R e f 9 0 _ A 0 A 0 2 4 J 8 0 9 I G C E M L K N W A L M G N G G I F I T D D M D S I E E K S N L N R N R Q Q F L F R P S D
U n i R e f 9 0 _ A 2 G 0 6 0 L G C E M L K N W A M M G N G G V I V T D D M D S I E E R S N L N R N R Q Q F L F R D K D
U n i R e f 9 0 _ F 8 C Q B 2 V G S F A A E G L V R S G I G H L T L V D H D D V C V T N T N R N R Q Q L H A T V K A
U n i R e f 9 0 _ H 9 J F P 5 L G T E I L K S I V L P G I G A I T I V D D D C T S D E D G S A N F F L I E M S N
U n i R e f 9 0 _ B 6 A C X 4 L G I E V A K N I V L A G P K S V T I V D D Q L C T F S D M G A N F F Y I L E S N
U n i R e f 9 0 _ W 4 G A U 9 L G V E I A K N I V L A G V R S V T L L D D A P A T F L D L S A Q F Y L T E S Q D
U n i R e f 9 0 _ K 8 E 0 6 0 V G S Y A V E A L A R A G V G E L L V D Y D T V I D I T N N L N R N R Q Q L H A L D N T
U n i R e f 9 0 _ Q 9 9 3 4 4 L G C E L L K N L T M L S F K Q V H I V D D D T I V E L T N L N R N R Q Q F L F C
U n i R e f 9 0 _ K 4 B E U 5 T S V E F C K N I V L A G V V G S L T L N D D R L V T E D L L F A N F P A E N D F
U n i R e f 9 0 _ J 7 R R P 7 L G S H I A I N L A R S G V G Y K L I D F S S V I E P S N L N R N R Q Q A Y R V S D
U n i R e f 9 0 _ C 4 R 3 H 0 T G T E A L K N L V L P G C G K F T I V D S K V I E T T S D L N R N R Q Q L E T N F F L T R Q D
U n i R e f 9 0 _ Q 2 3 Q Y 3 V G I E T A K N L I L S G P S A V C L H D D S L A E V A N M G C N F Y L K P E H
U n i R e f 9 0 _ M 5 E K 4 4 L A G Q V L K N L V L P G L G S F T I V D D A L V E S E Q D A Q H D F F F V N A S R Q
U n i R e f 9 0 _ W 5 J M 9 8 V G S V A A D M L T R C G I G K L L L F D Y D K V E L A N M N R Q Q L F F T P D Q
U n i R e f 9 0 _ U P I 0 0 0 4 2 B 7 1 C A T V I A E F C K N I V L A G V G S L T L V D D R V V N E E A L S A N F L I L P D F
U n i R e f 9 0 _ C 3 W f 8 8 V G G F A T E A L V R A G I S I S I V D F D N V D I T T S L N R N R Q Q L I A L Q S T
U n i R e f 9 0 _ T 0 Q P b 9 V G S H A A H M L A R S S G V K L R I L D F D N V T L S L N R N R H A V A T R A D
U n i R e f 9 0 _ D 0 N H f 4 T G S E A L K N L V L P G V G R F S I L D D A K V S L A D A T N N F F V I T A D A
U n i R e f 9 0 _ T 0 K Z 6 5 I G C E H L K N L V M C G N G C I H I V T D M D S I E E Q S N L N R N R Q Q F L F N K Y D
U n i R e f 9 0 _ A 7 T L 4 3 L G S E L L K N L I P L N I N G E I H I V T D F D T I E L T N L N R N R Q Q F L F N E N D
U n i R e f 9 0 _ R 8 A N 6 7 V G S W A A E A L A R T G V G A I T L I D M D D V C V T N I N R N R Q Q I H A M S G T
U n i R e f 9 0 _ G 9 K W 6 0 I G C E L L K G F A L M G S G V T V A D M D H I E R S N L S R R Q Q F L F R T Q D
U n i R e f 9 0 _ U P I 0 0 0 3 B 6 7 D 0 1 L G S N V A V A L A R A G J R H L H L I D F D R V D V T N F N R N R Q Q Y F V N Q
U n i R e f 9 0 _ F 2 U H A 7 I G C E L L K V F A M L G E G K I V T D M D T I E K S N L N R N R Q Q F F R P W D
U n i R e f 9 0 _ C 8 X 0 S 4 L G S N C A V H L A R S G F R F V L V D H D C V I T S N L N R N R Q Q F F F P E H
U n i R e f 9 0 _ U P I 0 0 0 4 0 7 5 4 2 5 V G G Y V V E A L V R S G V G A L D I L D D D K V C L T N I N R N R Q Q L L A T R K T
U n i R e f 9 0 _ Q 1 3 5 6 4 T G T E I L K N L V L P G I G S F T I I D G N Q V S G E D A G N N F F L Q R S S
U n i R e f 9 0 _ U 5 H B Q 2 I G C E M L K N W A M M G K K T I Y V T D L D T I E K S N L N R N R Q Q F L F R P R D
U n i R e f 9 0 _ U 2 F I E 3 V G G F A V E A L V R S G V K T F D L I V D D D L V C L T N L N R N R Q Q V I A T R K T
U n i R e f 9 0 _ D 2 R B 1 1 L G S N I A L M L A R A G V K K L I Y D F D S I E Y S N L N R N R Q Q N Y T I N E
U n i R e f 9 0 _ S 9 U F M 0 L G C E L L K N V A L L G L G A V S I T D M D T I E I T S N L S R R Q Q F L F R N D H
U n i R e f 9 0 _ U P I 0 0 0 2 2 4 7 E 1 5 L G C E C L K N L A L M G F R Q A M S I V T D M D T I E L S N L N R N R Q Q F L F R N K D
U n i R e f 9 0 _ U P I 0 0 0 2 5 5 6 A B 7 V G S W A A E A L V R T G V G E I S L F D L D D V C I T N T N R N R Q Q I H A L N T A
U n i R e f 9 0 _ Q 1 H 2 K 5 V G S W A V E A L A R S A I G K L T L V D L D N I A E S N V N R Q Q L H A V E G A
U n i R e f 9 0 _ G 3 U E F 4 V G S V T A E M L T R C G A I G K L L V D Y D K V E L A N M N R Q Q L F F Q P H Q
U n i R e f 9 0 _ R 8 V Z 7 9 L G S H I A F A L A R T G V G H L H L V D F D T V E P S N L N R Q C Y R L R D

	90	100	110	120
UniRef90_R5K2E7	L	P	G	P
UniRef90_U2S4Q3	L	K	K	H
UniRef90_Q09765	I	D	P	E
UniRef90_Q6BHx3	I	D	K	F
UniRef90_K4KM83	I	I	M	Y
UniRef90_L2GLA2	I	G	D	K
UniRef90_G4TP88	I	D	K	F
UniRef90_G7KEA9	L	H	K	F
UniRef90_G4TTG8	I	L	R	R
UniRef90_G8JQ54	V	L	K	F
UniRef90_F0R5V3	L	K	F	Y
UniRef90_C8NBY4	I	G	D	K
UniRef90_D1TR50	I	L	R	R
UniRef90_C1EAD2	I	G	D	K
UniRef90_UPI00036CA6D0	V	L	K	F
UniRef90_L1JXU7	V	L	K	F
UniRef90_R7UM57	A	G	D	K
UniRef90_D3R0X3	L	G	D	K
UniRef90_K3ZQ99	I	L	R	R
UniRef90_V9F9F3	I	L	R	R
UniRef90_M5WBA2	A	G	D	K
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UniRef90_A5EVW9	I	L	R	R
UniRef90_B9FV11	I	L	R	R
UniRef90_R6XJL6	I	L	R	R
UniRef90_E4KYN2	L	G	D	K
UniRef90_T0S9G5	I	L	R	R
UniRef90_G8UJW1	V	L	K	F
UniRef90_UPI0003592AA1	V	L	K	F
UniRef90_U4LTE0	V	L	K	F
UniRef90_Q0RSD9	E	G	D	K
UniRef90_UPI00047201D7	I	L	R	R
UniRef90_F3B890	V	L	K	F
UniRef90_UPI0002B4455C	G	G	D	K
UniRef90_R4XKZ2	L	G	D	K
UniRef90_S8AL98	V	L	K	F
UniRef90_UPI0003F496CD	V	L	K	F
UniRef90_B9SDW7	L	G	D	K
UniRef90_U2T590	I	L	R	R
UniRef90_U5MXL8	I	L	R	R
UniRef90_S9XAU7	I	L	R	R
UniRef90_A4HMx3	M	G	D	K
UniRef90_G0U0K9	V	L	K	F
UniRef90_W7UE40	L	G	D	K
UniRef90_Q2M0I6	I	L	R	R
UniRef90_D8LRM0	V	L	K	F
UniRef90_C6WX82	F	G	D	K
UniRef90_R6Y427	V	L	K	F
UniRef90_UPI00035FE5F0	V	L	K	F
UniRef90_R5AY81	I	L	R	R
UniRef90_Q4RXB2	I	L	R	R
UniRef90_R1D292	C	G	D	K
UniRef90_B7XHR1	I	L	R	R
UniRef90_T4VXN8	I	L	R	R
UniRef90_Q7SXP2	I	L	R	R
UniRef90_A0CMC8	L	R	K	F
UniRef90_A0A024J809	V	L	K	F
UniRef90_A2G060	I	G	D	K
UniRef90_F8CQB2	V	L	K	F
UniRef90_H9JFP5	K	G	D	K
UniRef90_B6ACX4	K	G	D	K
UniRef90_W4GAU9	V	A	T	T
UniRef90_K8E060	I	L	R	R
UniRef90_Q99344	I	L	R	R
UniRef90_K4BEU5	R	G	D	K
UniRef90_J7RRP7	L	G	D	K
UniRef90_C4R3H0	L	G	D	K
UniRef90_Q23QY3	I	L	R	R
UniRef90_M5EK44	I	L	R	R
UniRef90_W5JM98	A	G	D	K
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UniRef90_C3WF88	I	L	R	R
UniRef90_T0QP89	V	L	K	F
UniRef90_D0NHf4	V	L	K	F
UniRef90_T0KZ65	V	L	K	F
UniRef90_A7TL43	I	L	R	R
UniRef90_R8AN67	V	L	K	F
UniRef90_G9KW60	I	L	R	R
UniRef90_UPI0003B67D01	I	L	R	R
UniRef90_F2UHA7	V	T	K	L
UniRef90_C8X0S4	I	L	R	R
UniRef90_UPI0004075425	V	L	K	F
UniRef90_Q13564	I	L	R	R
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UniRef90_U2FIE3	V	L	K	F
UniRef90_D2RB11	I	L	R	R
UniRef90_S9UFM0	I	L	R	R
UniRef90_UPI0002247E15	I	L	R	R
UniRef90_UPI0002556AB7	V	L	K	F
UniRef90_Q1H2K5	F	G	D	K
UniRef90_G3UEF4	A	G	D	K
UniRef90_R8VZ79	L	G	D	K

UniRef90_R5K2E7	YDFVVDALD	130	ATPKKCHLIT	140	AEALKRHLI	150	SSMGA	160	AKSDL																																	
UniRef90_U2S4Q3	LDLDFVI	DA	CD	DT	TV	TFK	LL	HLL	IQ	Y	C	KL	K	N	K	L	P	M	I	S	V	M	G	S	E	G	L	K	G	Q	A											
UniRef90_Q09765	FSLKLI	CGL	LDN	DL	SN	VE	ARR	R	W	V	N	K	M	C	L	F	L	K	K	P	L	M	E	D	G	S	G	T	T	G	Y	D	G	Q	V							
UniRef90_Q6BHx3	FSYVFN	NAL	DND	SD	EF	V	K	A	I	I	G	H	C	K	R	Q	K	I	P	V	I	T	A	G	S	S	G	G	K	T	D	P	P	P	P							
UniRef90_K4KM83	FDFI	VYN	CAL	DND	DE	R	S	F	V	N	Q	R	C	H	A	G	V	Q	M	V	D	G	S	G	A	G	V	L	G	Q	S	T	P	P	P							
UniRef90_L2GLA2	ID	DG	V	T	N	A	L	D	N	D	E	A	R	L	Y	M	D	Q	R	C	V	L	Y	Q	K	P	L	L	E	S	G	T	L	G	T	K	G	N	T			
UniRef90_G4TP88	VFT	E	V	S	L	E	K	A	V	E	F	N	D	Y	C	H	S	H	Q	P	P	I	A	F	I	K	T	E	V	R	G	L	F	G	S	V	P	P				
UniRef90_G7KEA9	SDW	V	I	D	A	L	D	N	L	S	T	K	V	D	L	S	Y	C	H	S	K	G	I	K	V	I	E	S	M	G	A	G	A	K	M	D	P	P				
UniRef90_G4TTG8	FN	L	F	N	A	L	D	N	L	S	A	R	R	Y	V	N	K	M	S	Q	F	L	N	V	P	L	L	E	S	G	T	A	G	F	D	H	I	I				
UniRef90_G8JQ54	FDFI	VDA	IDL	DN	SD	EF	V	K	A	I	I	G	H	C	K	R	Q	K	I	P	V	I	T	A	G	S	S	G	G	K	T	D	P	P	P	P						
UniRef90_F0R5V3	YD	M	L	A	D	C	I	D	S	I	A	C	K	A	A	L	I	A	A	A	Q	A	R	G	I	A	V	I	S	A	M	G	A	G	A	K	R	D	I			
UniRef90_C8NBY4	FSY	V	F	N	A	L	D	N	D	S	V	R	P	K	A	A	L	L	S	Y	C	R	R	Y	K	L	P	V	V	T	T	G	G	A	G	G	Q	I	D	V		
UniRef90_D1TR50	LD	V	V	V	N	A	L	D	N	V	N	A	R	L	Y	V	D	S	R	C	V	Y	F	G	K	P	L	L	E	S	G	T	L	G	T	K	C	N	T			
UniRef90_C1EAD2	YD	V	L	I	C	C	I	D	S	F	T	T	K	K	L	I	N	E	K	C	R	K	L	S	K	R	V	A	F	Y	T	V	D	C	R	D	S	C	G			
UniRef90_UPI00036CA6D0	LD	V	V	V	N	A	L	D	N	V	N	A	R	L	Y	V	D	S	R	C	V	Y	F	G	K	P	L	L	E	S	G	T	L	G	T	K	C	N	T			
UniRef90_L1JXU7	LD	C	V	V	N	A	L	D	N	V	N	A	R	Q	Y	V	D	A	R	C	V	F	F	E	K	P	L	F	E	S	G	T	M	G	T	K	C	N	T			
UniRef90_R7UM57	VN	F	V	L	D	C	I	D	N	S	A	K	L	H	L	J	E	Y	C	L	G	N	G	L	P	I	I	S	A	M	G	A	G	A	K	R	D	I	I			
UniRef90_D3R0X3	LN	F	V	I	N	A	L	D	N	V	N	A	R	M	Y	M	D	M	R	C	L	Y	F	Q	K	P	L	L	E	S	G	T	L	G	A	K	C	N	T			
UniRef90_K3ZQ99	FT	V	V	C	L	I	G	A	E	Q	V	T	E	F	R	L	D	T	L	C	R	S	L	G	I	A	F	Y	S	A	R	S	F	G	F	D	G	P	P			
UniRef90_V9F9F3	F	D	V	V	V	S	C	C	S	F	T	T	K	K	L	I	N	E	K	C	R	K	L	S	K	R	V	A	F	Y	T	V	D	C	R	D	S	C	G			
UniRef90_M5WBA2	F	D	V	V	V	T	D	A	R	E	K	L	L	H	L	S	Q	L	L	N	G	T	P	I	T	L	V	V	C	F	S	V	G	V	I	G	F	L	G	L		
UniRef90_Q5BSL9	V	D	Y	V	L	D	C	I	D	S	L	T	S	K	A	V	L	V	K	T	A	Q	E	Q	N	L	P	V	I	S	A	L	G	A	G	N	C	W	D	V		
UniRef90_A5EVLW9	LD	V	V	I	N	A	L	D	N	V	N	A	R	M	Y	M	D	M	R	C	L	Y	F	Q	K	A	L	L	E	S	G	T	L	G	A	K	C	N	T			
UniRef90_B9FV11	Y	D	Y	V	I	D	A	V	D	N	L	S	K	L	L	I	I	R	E	A	Y	Y	R	K	K	I	I	S	A	M	G	A	G	N	R	F	Q	V	V			
UniRef90_R6XJL6	Y	D	Y	V	V	D	A	I	D	T	I	T	S	K	L	L	I	I	R	E	A	Y	Y	R	K	K	I	I	S	A	M	G	A	G	N	R	F	Q	V	V		
UniRef90_E4KYN2	LD	F	V	I	N	A	L	D	N	V	K	A	R	L	V	D	S	K	C	V	F	R	K	P	L	L	E	S	G	T	L	G	T	K	C	N	V	I				
UniRef90_T0S9G5	Y	D	Y	I	L	D	A	I	D	N	S	L	E	K	T	H	L	I	R	E	K	T	A	T	H	T	D	A	V	F	F	S	M	G	A	A	L	K	M	D	P	
UniRef90_G8UJW1	Y	Q	C	V	I	E	C	P	L	N	V	Q	R	R	V	N	E	F	C	R	A	A	S	P	Q	I	K	F	I	S	T	D	V	Y	G	I	C	G	S	A		
UniRef90_UPI0003592AA1	F	K	I	V	L	C	G	L	D	S	V	E	A	R	R	W	I	N	S	T	L	C	M	F	V	P	L	I	D	G	G	T	E	G	F	K	G	Q	S	A		
UniRef90_U4LTE0	Q	D	V	I	L	A	G	L	D	S	R	R	V	W	L	N	R	T	A	R	A	L	G	V	P	W	V	E	G	A	T	Q	G	P	H	G	H	A	P	P		
UniRef90_Q0RSD9	A	D	Y	V	I	D	C	I	D	S	I	K	A	K	T	A	M	I	A	W	C	K	R	N	K	I	K	L	V	T	V	G	G	A	G	G	Q	M	D	P		
UniRef90_F3B890	V	D	Y	V	I	D	A	I	D	T	V	T	A	K	L	V	L	V	E	M	A	K	E	K	N	L	P	I	S	S	M	G	T	G	N	K	L	H	P			
UniRef90_UPI0002B4455C	F	D	V	I	V	S	C	C	S	F	T	T	K	K	L	I	N	E	K	C	R	K	L	S	K	R	V	A	F	Y	T	V	D	C	R	D	S	C	G			
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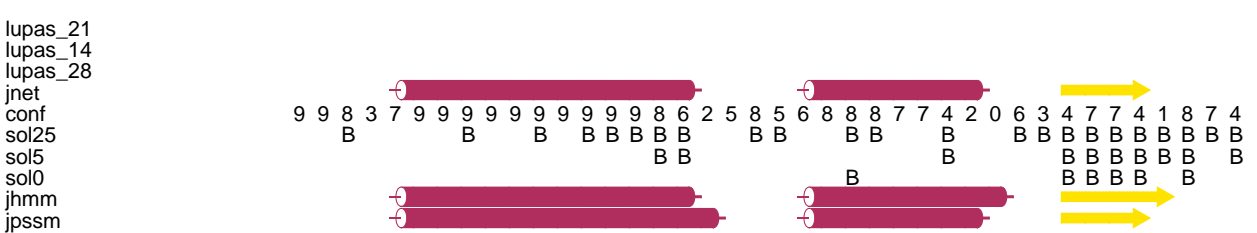
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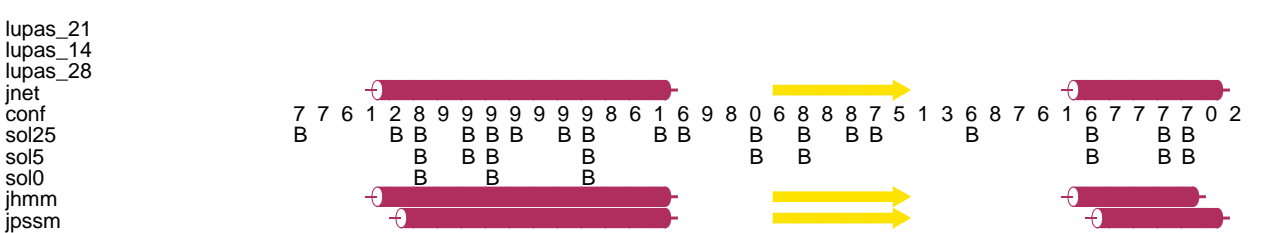
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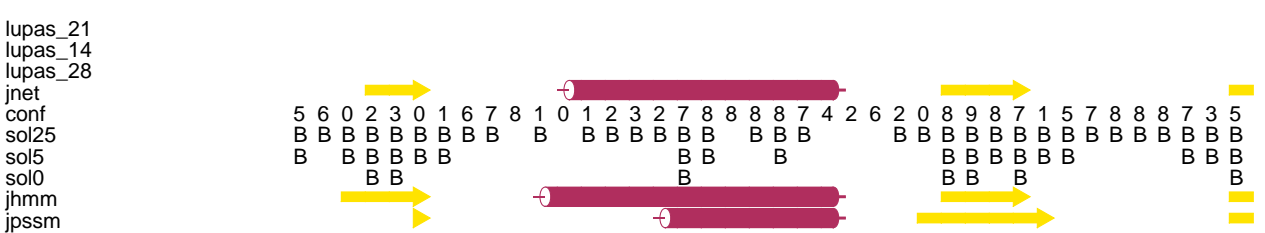
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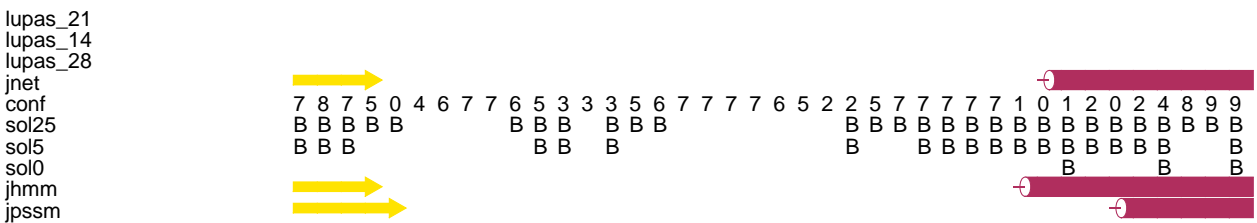
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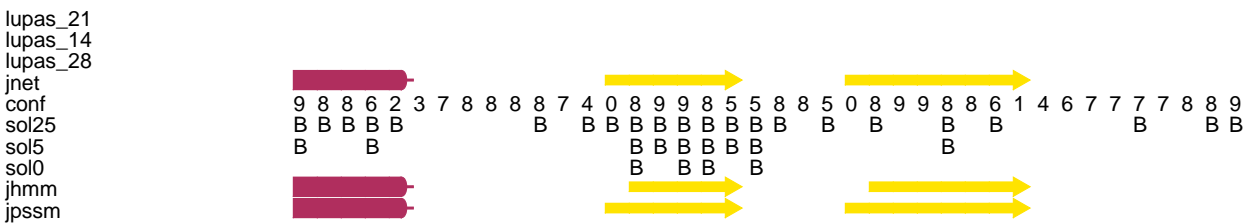
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