

QUERY	1	10	20	30	40																																						
UniRef90_A6UVR9	Q	A	K	I	F	A	Q	T	T	K	M	L	E	F	A	K	Q	L	L	E	T	D	D	F	S	T	L	R	E	A	Y	Y	V	S	K	N	W	G	E	A			
UniRef90_W77XL9	E	V	R	K	T	A	V	T	T	R	I	M	Q	L	V	H	E	L	L	S	K	N	G	I	H	I	V	T	K	R	D	M	F	Y	T	D	V	K	L	L	E	A	
UniRef90_A8I8E3	S	T	Q	R	F	A	L	L	L	K	V	I	S	M	I	Y	K	M	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_W4HDB4	S	T	Q	R	F	A	L	L	L	K	V	I	S	M	I	Y	K	M	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_HOVJR2	S	T	Q	R	F	A	L	L	L	K	V	I	S	M	I	Y	K	M	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_M3XKK5	A	Q	K	F	A	L	L	L	K	M	L	S	V	V	Y	K	L	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A			
UniRef90_F7EZT5	A	R	K	F	A	L	L	L	R	V	L	S	Q	L	V	H	Q	L	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_D7FY71	S	V	Q	K	F	A	L	L	L	K	V	L	S	M	V	Y	K	L	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_UPI00032AFD49	S	V	Q	K	F	A	L	L	L	K	V	L	S	M	V	Y	K	L	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_UPI000420C01C	A	R	S	F	A	Q	T	L	R	L	M	A	T	S	R	A	M	V	E	H	D	D	F	A	T	K	R	E	V	Y	Y	I	S	E	G	W	K	R	A	G	C		
UniRef90_M1VKJ0	S	V	R	K	T	T	I	M	T	R	V	L	S	Q	L	V	H	E	L	L	T	R	R	G	I	H	V	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A
UniRef90_Q0DSV9	S	V	R	K	T	T	I	M	T	R	V	L	S	Q	L	V	H	E	L	L	T	R	R	G	I	H	V	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A
UniRef90_C1FDI6	S	V	R	K	T	T	I	M	T	R	V	L	S	Q	L	V	H	E	L	L	T	R	R	G	I	H	V	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A
UniRef90_F0XZH9	S	V	R	K	T	T	I	M	T	R	V	L	S	Q	L	V	H	E	L	L	T	R	R	G	I	H	V	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A
UniRef90_G1M2C7	S	V	K	N	F	A	L	L	L	K	V	L	S	M	I	Y	K	L	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_V4HLD4	A	R	K	L	L	K	A	V	Y	A	V	E	F	L	A	Q	Q	L	D	E	D	R	S	S	A	T	L	R	E	L	Y	Y	L	S	E	S	W	D	E	A			
UniRef90_H3D4Z8	S	V	T	K	F	A	Q	T	V	K	I	L	S	V	I	Y	R	L	V	Q	S	N	S	F	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_E9C4Y8	V	R	K	T	A	I	T	T	R	I	L	S	L	V	H	E	L	L	N	K	R	I	H	I	V	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_D8SQ82	V	K	K	T	A	I	T	T	R	I	L	L	E	L	V	H	E	L	L	S	K	Q	I	H	V	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_D2RD97	A	Y	Q	L	R	M	V	Y	I	G	F	L	K	E	Q	L	S	Q	N	R	S	T	L	R	E	L	F	Y	I	S	E	N	W	G	L	A	T	Q					
UniRef90_V9KNJ4	S	M	Q	R	F	A	L	L	L	K	V	L	S	M	I	Y	K	L	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_W5M6Y3	S	V	T	R	F	A	T	T	L	K	V	L	S	V	I	Y	K	M	V	Q	S	N	S	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_G7WKK1	A	K	S	L	L	K	T	S	Y	L	E	L	I	N	E	H	L	R	Q	N	K	G	S	T	L	R	E	A	Y	I	S	E	N	W	D	V	A	G	K				
UniRef90_UPI00036B18DA	A	M	M	L	L	R	T	S	Y	M	L	E	L	I	Q	D	M	I	R	E	N	K	S	T	L	R	E	A	Y	I	S	E	G	W	K	R	A	T	Q				
UniRef90_I1GN83	H	A	S	R	L	S	V	L	L	R	V	L	F	V	Q	Q	L	Q	Q	N	K	H	C	S	K	R	D	L	F	Y	Y	M	P	S	I	T	Q	A	T				
UniRef90_UPI0003D291D1	H	A	R	L	D	V	L	L	R	V	L	V	I	V	Q	E	N	R	S	H	G	S	K	R	D	L	F	Y	Y	M	H	P	S	I	T	Q	A	T	Q				
UniRef90_A2SQI7	S	A	T	H	M	L	K	M	A	Y	V	I	W	F	I	K	T	Q	L	Q	E	N	R	S	T	L	R	E	M	Y	I	S	E	G	W	K	R	A	T	Q			
UniRef90_G1NA79	A	P	K	F	A	M	M	L	K	I	L	S	M	I	Y	K	M	V	Q	S	N	S	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A			
UniRef90_A5YS45	A	K	L	F	K	L	A	Y	V	E	F	L	T	D	Q	L	E	Q	D	K	S	S	T	L	R	E	L	Y	I	S	E	S	W	N	E	A	T	Q					
UniRef90_M7U6N7	A	Y	M	M	L	R	T	Y	M	V	D	F	I	K	G	M	I	Q	T	D	Q	N	K	S	T	L	R	E	M	Y	I	S	E	G	W	D	L	A	T	Q			
UniRef90_A0A024AFU4	H	V	Y	R	I	D	V	L	L	R	V	L	L	V	Q	Q	L	Q	E	N	R	H	G	S	K	R	D	L	F	Y	Y	M	H	P	S	I	T	Q					
UniRef90_R7TAB1	S	A	Q	K	F	A	L	T	M	K	V	L	S	V	I	H	Q	L	V	R	T	D	T	F	C	T	K	R	E	L	Y	Y	Q	D	V	K	L	L	E	A			
UniRef90_Q46816	S	A	K	Q	L	L	R	A	L	Y	V	V	E	F	I	N	E	H	L	A	Q	S	R	G	S	T	L	R	E	L	Y	I	S	E	G	W	E	A	A	A			
UniRef90_D6PC09	A	Y	Q	L	L	K	T	S	K	T	I	D	F	V	N	N	Q	L	G	Q	N	R	G	S	T	L	R	E	L	Y	I	S	E	N	W	G	V	A	G	K			
UniRef90_D7E9H8	S	A	L	H	L	L	K	M	A	H	V	V	G	F	L	N	K	H	I	A	D	N	R	G	S	T	L	R	E	M	Y	I	S	E	G	W	K	R	A	T	Q		
UniRef90_H1YWU8	S	V	T	K	F	A	Q	T	L	K	I	L	S	V	I	Y	R	L	V	Q	S	N	S	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_H2M801	S	A	T	K	F	A	L	L	L	K	I	L	S	V	I	Y	K	L	V	Q	S	D	S	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_F1QVE0	S	A	K	L	R	T	L	Y	I	M	E	F	L	K	D	M	I	R	T	K	K	S	T	L	R	E	M	Y	I	S	E	G	W	D	M	A	T	Q	A	T	Q		
UniRef90_Q3SA64	A	K	A	F	V	R	V	W	K	V	M	E	M	C	Y	K	L	G	E	G	K	L	V	T	L	R	E	L	F	Y	T	L	L	S	E	S	P	T	E	E			
UniRef90_Q6ZD95	E	S	K	R	F	M	Q	T	V	L	M	L	S	L	I	V	Q	A	R	Q	E	G	D	Y	P	T	L	R	E	L	Y	I	S	E	G	W	R	T	S	E	E		
UniRef90_A1RXY9	S	A	R	N	R	F	T	L	M	L	K	L	A	L	C	Y	R	L	V	Q	S	N	T	Y	A	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_W4YYP3	S	A	R	V	L	L	R	S	L	H	I	T	E	F	I	N	E	M	I	D	S	G	K	S	S	T	L	R	E	M	Y	I	S	E	G	W	G	N	G	L	G		
UniRef90_D6PBC9	S	A	K	G	L	L	K	M	L	Y	L	D	F	V	D	E	M	T	A	G	L	K	T	S	T	L	R	E	M	Y	I	S	E	G	W	N	L	G	L	G			
UniRef90_T0MW44	A	E	Y	M	V	K	L	L	Y	M	I	D	F	I	R	E	M	T	A	G	L	K	T	S	T	L	R	E	M	Y	I	S	E	G	W	N	L	G	L	G			
UniRef90_T0M5Q9	S	I	K	K	F	T	L	M	M	K	L	S	M	I	Y	R	L	I	Q	T	G	S	F	C	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A			
UniRef90_K1QL12	S	A	R	K	L	R	T	F	W	L	V	E	F	I	N	E	M	A	R	H	K	T	S	T	L	R	E	L	Y	I	S	E	Q	W	E	E	A	T	Q				
UniRef90_T0ZA48	H	V	H	R	I	D	V	M	L	K	V	M	L	I	V	Q	K	L	L	Q	E	N	I	H	M	S	K	R	D	L	F	Y	Y	M	H	P	S	I	T	Q			
UniRef90_UPI00032A805B	H	A	R	R	I	D	I	L	L	S	V	L	L	V	Q	K	L	L	Q	E	N	I	H	M	S	K	R	D	L	F	Y	Y	M	H	P	S	I	T	Q				
UniRef90_UPI0003D78D55	S	A	L	H	I	L	K	M	A	Y	V	I	W	F	L	K	H	Q	I	T	E	N	R	S	T	L	R	E	L	Y	I	S	E	G	W	K	R	A	T	Q			
UniRef90_Q2FRT4	H	V	H	R	L	D	V	L	L	R	V	L	L	V	Q	K	L	L	Q	E	N	K	H	G	S	K	R	D	L	F	Y	Y	M	H	P	S	I	T	Q				
UniRef90_W9QQJ3	S	V	R	K	T	A	I	M	T	R	V	F	Q	L	H	Q	L	V	R	K	R	I	H	V	T	K	R	D	L	F	Y	T	D	D	V	K	L	L	E	A			
UniRef90_A9V4I2	E	A	K	R	F	M	Q	T	L	M	L	K	L	I	Q	N	S	J	I	K	E	N	V	Y	P	T	L	R	D	L	F	Y	T	D	D	V	K	L	L	E	A		
UniRef90_A7RWG7	E	T	R	R	F	T	Q	T	L	V	A	A	L	A	K	E	L	V	E	S	N	K	H	A	S	L	R	E	V	Y	Y	Q	L	K	H	I	N	E	N				
UniRef90_A8M9F6	S	V	N	K	F	G	L	T	V	K	L																																

QUERY UniRef90_A6UVR9 UniRef90_W77XL9 UniRef90_A8I8E3 UniRef90_W4HDB4 UniRef90_HOVJR2 UniRef90_M3XKK5 UniRef90_F7EZT5 UniRef90_D7FY71 UniRef90_UPI00032AFD49 UniRef90_UPI000420C01C UniRef90_M1VKJ0 UniRef90_QODSV9 UniRef90_C1FDI6 UniRef90_F0XZH9 UniRef90_G1M2C7 UniRef90_V4HLD4 UniRef90_H3D4Z8 UniRef90_E9C4Y8 UniRef90_D8SQ82 UniRef90_D2RD97 UniRef90_V9KNJ4 UniRef90_W5M6Y3 UniRef90_G7WKK1 UniRef90_UPI00036B18DA UniRef90_I1GN83 UniRef90_UPI00032D91D1 UniRef90_A2SQI7 UniRef90_G1NA79 UniRef90_A5YS45 UniRef90_M7U6N7 UniRef90_A0A024AFU4 UniRef90_R7TAB1 UniRef90_Q46816 UniRef90_D6PC09 UniRef90_D7E9H8 UniRef90_H1YWU8 UniRef90_H2M801 UniRef90_F1QVE0 UniRef90_Q3SA64 UniRef90_Q6ZD95 UniRef90_A1RXY9 UniRef90_W4YYP3 UniRef90_D6PBC9 UniRef90_T0MW44 UniRef90_T0M5Q9 UniRef90_K1QL12 UniRef90_T0ZA48 UniRef90_UPI00032A805B UniRef90_UPI0003D78D55 UniRef90_Q2FRT4 UniRef90_W9QQJ3 UniRef90_A9V4I2 UniRef90_A7RWG7 UniRef90_A8M9F6 UniRef90_Q74M54 UniRef90_D8SF23 UniRef90_F7BDK3 UniRef90_UPI0003F06E13 UniRef90_A0A022QJM3 UniRef90_M4YQK4 UniRef90_A1RSV5 UniRef90_A2BLE8 UniRef90_UPI00020AA14B UniRef90_T1C2W3 UniRef90_Q9YE67 UniRef90_D8PEY5 UniRef90_Q27089 UniRef90_A7HE24 UniRef90_UPI000359EE90 UniRef90_R9SMU2 UniRef90_H2P2D5 UniRef90_U5D682 UniRef90_E9CC19 UniRef90_Q9V134 UniRef90_UPI000373D1F9 UniRef90_V8P597 UniRef90_UPI00042B8FC9 UniRef90_E0SPH4 UniRef90_UPI0002C343B1 UniRef90_UPI0003D0D3C0 UniRef90_A0A059BWM0 UniRef90_K7LMM4 UniRef90_M0U673 UniRef90_T1G524 UniRef90_Q8TXZ5 UniRef90_T1J6U8 UniRef90_G7KC02 UniRef90_Q2NEN6 UniRef90_A0A059C119 UniRef90_A0A024AGV9 UniRef90_L1IU04

R F D D D Q Q A S N S V I E D L I E A A L G V L R E E H L G F I P E E E D G G S S V V V G P
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UniRef90_F7EZT5 F F G N Q S S V V D N I I I S S C C M L K V P P R R S S S L L H H I L L S T S K K G G L C I I A G N
UniRef90_D7FY71 F F K E Q S S E S D S I V L D D D V A C C M L G G C C T T R R S S S L L N N V V L A S T S D K G G L I V A G N
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UniRef90_D2RD97 K F F G S Q S S D R L I E D D I E I L T G L Q P R R Y L H H I L L S T A R D G A T Y I A G D
UniRef90_V9KNJ4 V F F G S Q S S V L D A I I N D D I S C C M L K V P P R R Y L H H I L L S T A R D G A T Y I A G D
UniRef90_W5M6Y3 F F G S Q R T V D L I V D D I S C C M L R V P P R R N L H H I L L A S E E K G G F I A G D
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UniRef90_G1NA79 L F G S Q R V V D D L I N E I S C M L Q I P R R E S L H H I L L S T E T K G F V A G N
UniRef90_A5YS45 Q F A D Q S E S N S L A E E L E I V S D A R R E E F F H M R P E E E D G A T I V G P
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UniRef90_A0A024AFU4 V F S A Q S V V D R A I N D I C C I L L G C C S R H N L N V V S P V G K G L I V M G W
UniRef90_R7TAB1 F P G Q S T L D D I V D D I A C M L Q V P R W N L H H I L L A T S E D K G L I V A G D
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UniRef90_D6PC09 K F S S Q N E S N N L A E D D I E I L V T K C C L R E E D F K L R P E E E D G A R M I G N
UniRef90_D7E9H8 K F R E Q P E S D K L V E D D I E I L T L Q R E Y F H H M R P E E E D G A T I F G P
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K N E A W V K E L L M L D T K V K A E I I Q A L S N F G F Q Y I L T E V Y L P Q K
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QUERY	I	K	D	E	S	T	W	L	P
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UniRef90_W7TXL9	L	E	K	G	D	W	I		
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UniRef90_W4HDB4	L	R	D	G	D	W	I		
UniRef90_H0VJR2	L	K	F	G	G	W	I		
UniRef90_M3XKK5	I	Q	F	G	G	W	I		
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UniRef90_W5M6Y3	L	R	F	G	G	W	I		
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UniRef90_A5YS45	L	A	Q	H	G				
UniRef90_M7U6N7	L	A	E	M	G				
UniRef90_A0A024AFU4	I	Q	G	R	A	Y			
UniRef90_R7TAB1	I	R	N	S	S	W	L		
UniRef90_Q468I6	L	K	E	M	G				
UniRef90_D6PC09	L	N	D	L	G				
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UniRef90_Q3SA64	L	T	E	L	G				
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UniRef90_A1RXY9	I	K	N	K	Q	W	I		
UniRef90_W4YPY3	L	R	C	G	G	W	L		
UniRef90_D6PBC9	L	A	A	L	G				
UniRef90_T0MW44	L	K	E	N	G				
UniRef90_T0M5Q9	L								
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F I L V V E K E T A F Q H L L A A N F H C L Y P C V I M T A R G F P D D L A S R K
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W V L V L E K E A V Y R R L A S S N Y H I R S K G V L V T G K G Y P D D L S T T R R
W L L V I E K E A V Y R R L A S S N Y H I R S K G V L V T G K G Y P D D L S T T R R
L I I E K E V D A I F R T L A E S G D W K R L P G I L L L C G K G Y P D I A T T R E
W V L V I E K E K L V V I E K D S L F S L I C Q Q K H A I L Q N V L F V C G K G Y P D D N T M Y
K L V V I E K D S L F S L I C Q Q K H A I L Q N V L F V C G K G Y P D D N T M Y
L K L I V E K E A V Y N K L V G A N T A E D T I F I T G K G Y P D F L T R L
Y I L V V G S Y G A Y F R L T K D E V D R R F P C I I V I T P D P V P E E D T I S
W V L I I E K E V Q P H L V H R P S T A D S Q E V I I I L E R P Q
F I M I V E K N S V F H H L T Q H Q S T F D R F P G I L L S S S G Y P S Q A F S D
W A L V V E K H A I Y Q T L Q S C N F L H H G A G L L T G K G Y P D D Y A V R S
W I L V T E S S R Y G F N I T D D V F I T K F S V C Q A K G F P D L A T T R R
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F L V L L R N C P E A P I F L V D A D P Y G V H I T A L C H L Q S E A L S S L
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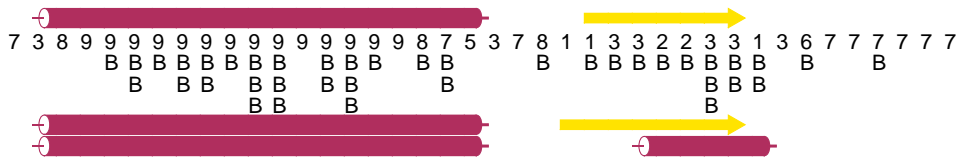
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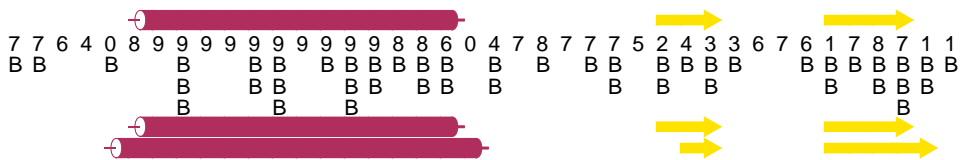
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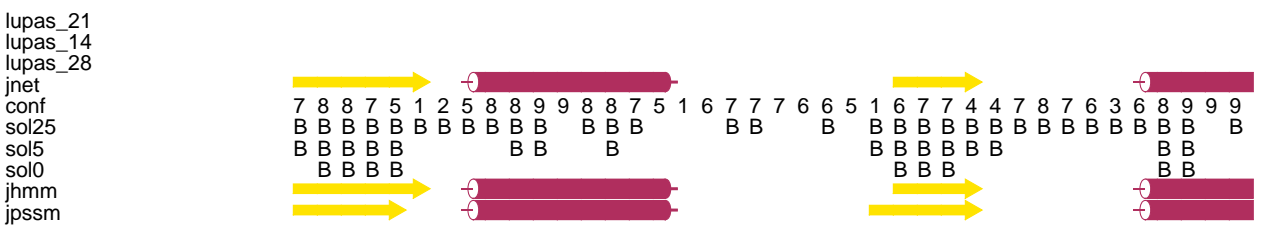
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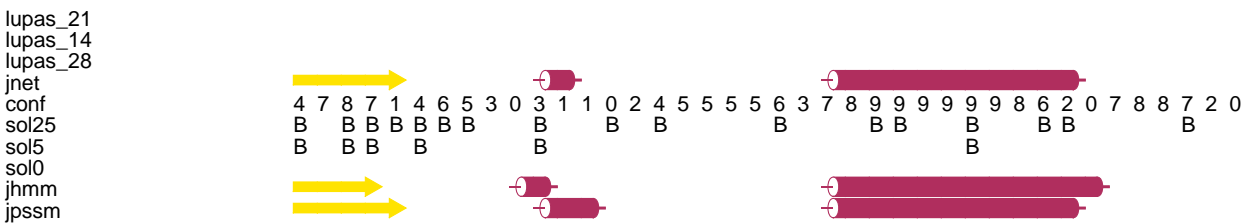
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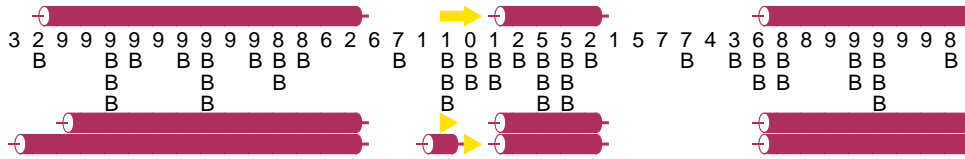


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