

QUERY	1	M Y A E	L S P G T K K V	Y T Q V R Y	20	D D Y H W E	I E G S T I	T G H K K S N V	40
UniRef90_B6YTH2		Y E E L	S P R I	K K V Y A Q V R Y L	D D Y H W K I	E G D R I I	G I H K R S G M	N V	
UniRef90_F8AHE7	F K E L	D E K L	K K V Y A K V R G L	D D Y Y W S I	Q D G E V R G I	H K R S G M			
UniRef90_I3RDL6	F E S L	D E K I	K K V Y A K V R T I	D E F H W Q I	D D N S I M G V	H K K S G M			
UniRef90_C5A4I0	Y G S L	S P R M K R V	Y T Q V R Y L	D D Y H W N I	R D D A I E G	H K K S G M	G T		
UniRef90_C6A1R0	Y S E L	N A D V K V R	Y Y A K I R A L	D D Y H W H I	Y E D T I G H	H R K S E L L			
UniRef90_I6UNP1	F E E L	N E K I K	K K V Y G K V R T I	D D F H W H I	S D N L I H G I	H K K S G M			
UniRef90_UPI00029AC2FD	Y G S L	S P R T K T V	Y A Q V R Y L	D D Y H W N I	E G E T I S G I	H K K S G M			
UniRef90_F0LJK3	Y S E L	D S R L R K V	Y S R I R T L	D D Y H W D I	S G D K I I G R	H K K S D L			

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
ipssm

Diagram showing two rows of numbers from 9 to 5 followed by B, E, and E. The first row has red arrows above it, and the second row has yellow arrows above it.

QUERY	V	V	I	D	V	A	K	N	R	E	E	A	D	S	L	A	G	K	D	V	N	G	H	I	V	A	I	P	D	N	G	V	F	Y	I	K	N	G		
UniRef90_B6YTH2	R	I	T	I	D	V	A	D	N	K	E	H	A	E	K	L	S	E	K	K	A	D	G	R	I	I	A	I	P	D	K	N	V	F	Y	I	H	N	G	
UniRef90_F8AHE7	R	V	R	I	R	I	A	E	G	R	E	H	A	D	K	M	S	R	E	K	E	V	G	D	L	I	V	I	P	G	K	G	T	F	Y	N	N	G		
UniRef90_I3RDL6	K	L	Q	R	L	A	G	G	K	E	E	A	D	K	L	A	Q	E	K	E	P	G	D	I	V	I	P	G	K	G	T	F	Y	V	N	N	G			
UniRef90_C5A4I0	R	V	L	I	L	A	A	D	N	R	E	H	A	█	K	I	A	G	L	N	E	R	G	V	I	I	A	V	P	E	K	G	V	F	A	V	H	N	G	
UniRef90_C6A1R0	P	I	R	I	S	V	V	G	S	K	E	K	A	E	K	L	S	Q	K	N	G	P	G	I	D	I	A	V	I	P	N	N	N	T	F	Y	I	K	N	G
UniRef90_I6UNP1	R	L	E	I	R	A	I	E	S	K	E	A	A	D	K	I	A	Q	K	K	E	P	G	M	V	I	V	V	P	G	K	E	T	F	Y	V	N	N	G	
UniRef90_UP100029AC2FD	K	V	T	I	M	T	A	D	N	K	E	Q	█	I	K	A	E	L	K	P	E	G	I	V	I	A	V	P	E	K	G	V	F	S	H	N	G			
UniRef90_F0LJK3	K	I	R	I	R	V	A	N	S	R	E	E	A	E	K	L	S	E	K	E	G	E	G	D	I	V	V	V	P	N	K	G	T	F	Y	I	H	N	G	

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
ipssm

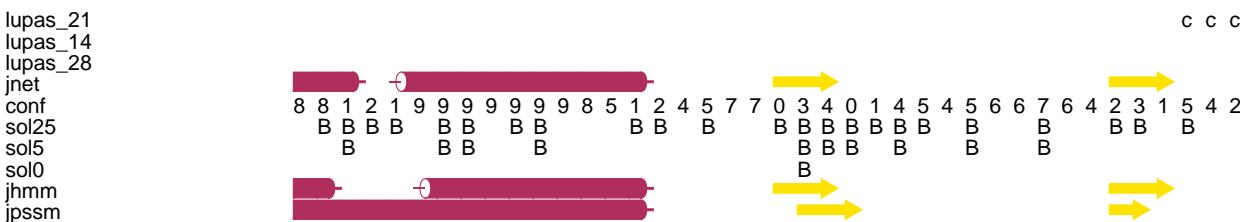
The diagram illustrates a sequence of numbers from 5 to 7 and back to 5, arranged in three rows. The top row contains the numbers 5, 8, 9, 8, 7, 4, 0, 8, 6, 2, 7, 8, 8, 8, 8, 7, 5, 1, 6, 8, 8, 8, 8, 4, 5, 8, 9, 9, 8, 5, 5, 8, 8, 4, 6, 9, 8, 6, 0, 6, 7. The middle row contains the letters B (representing a box) for each number. The bottom row contains the letter B for each number except the first one. Arrows at the top indicate the direction of movement: a yellow arrow pointing right above the sequence, followed by a red arrow pointing left above the sequence, and another yellow arrow pointing right below the sequence.

QUERY	S	F	V	L	T	Y	R	Y	L	K	A	T	L	A	D	I	N	D	H	V	W	S	G	F	K	V	V	E	D	G	K	L	V	Q	E	D	V	Y			
UniRef90_B6YTH2	A	F	I	L	T	Y	R	Y	L	K	A	T	L	A	D	I	N	D	H	V	W	S	G	F	K	V	V	E	G	G	L	I	Q	E	D	F	Y				
UniRef90_F8AHE7	T	F	I	M	S	L	K	F	L	R	P	L	R	T	L	Q	D	V	S	D	H	V	W	S	G	F	K	V	V	E	G	G	L	V	Q	E	D	F	Y		
UniRef90_I3RDL6	A	F	I	M	S	L	K	F	L	R	P	L	T	V	L	Q	D	V	A	D	H	V	W	A	G	F	K	V	V	E	E	D	G	K	L	R	Q	E	D	V	Y
UniRef90_C5A4I0	A	F	V	M	T	Y	K	Y	A	R	A	T	L	S	D	I	H	D	H	V	W	S	G	F	K	V	V	E	N	G	N	S	L	K	Q	E	D	V	Y		
UniRef90_C6A1R0	V	F	I	L	S	E	R	F	L	K	A	T	L	M	D	I	N	D	H	V	W	S	G	F	R	V	I	E	R	D	G	R	L	V	Q	E	D	T	Y		
UniRef90_I6UNP1	A	F	V	L	A	L	K	F	L	R	S	T	I	Q	D	I	S	D	H	V	W	A	G	F	K	V	V	E	R	D	G	A	L	E	F	Q	D	I	Y		
UniRef90_UP100029AC2FD	V	F	I	M	T	H	R	Y	A	R	A	T	L	S	D	I	N	D	H	V	W	R	G	F	K	V	E	E	N	G	K	L	T	Q	M	D	F	Y			
UniRef90_F0LJK3	T	F	I	M	T	S	K	F	L	R	G	T	L	V	D	I	N	D	H	V	W	R	G	F	K	V	V	E	Q	D	G	K	L	M	Q	E	D	F	Y		

lupas_21
lupas_14
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jnet
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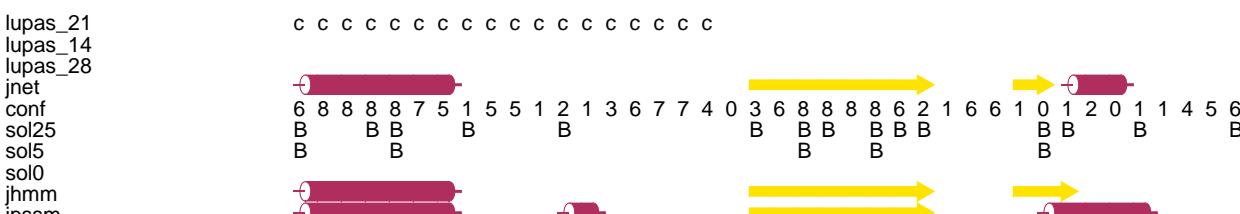
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UniRef90_C5A4I0
UniRef90_C6A1R0
UniRef90_I6UNP1
UniRef90_UPI00029AC2FD
UniRef90_F0LJK3

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



QUERY
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UniRef90_F8AHE7
UniRef90_I3RDL6
UniRef90_C5A4I0
UniRef90_C6A1R0
UniRef90_I6UNP1
UniRef90_UPI00029AC2FD
UniRef90_F0LJK3

L	E	A	H	L	R	E	H	G	I	K	H	E	K	S	E	H	Y	E	V	F	E	L	N	F	R	E	G	K	V	F	D	K	F	G	G	E	V			
L	E	S	H	L	K	G	H	G	I	K	H	H	E	K	G	E	E	K	Y	E	V	F	E	I	N	F	R	E	K	V	Y	D	K	Y	G	K	E	V		
L	P	R	H	M	K	A	H	G	E	D	V	K	E	W	S	E	E	K	Y	E	V	L	E	I	I	N	F	A	D	G	K	V	Y	N	K	F	G	K	E	V
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QUERY
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UniRef90_F8AHE7
UniRef90_I3RDL6
UniRef90_C5A4I0
UniRef90_C6A1R0
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UniRef90_F0LJK3

P	M	D	K	F	S	S	E	A	R	E	F	I	K	E	V	L	S
P	M	E	K	F	S	E	E	A	R	D	F	I	L	E	▀	M	A
P	M	E	E	F	S	E	E	A	▀	D	F	I	K	E	S	F	
P	M	D	K	F	S	D	E	A	K	D	F	I	K	D	S	F	
P	L	S	K	F	S	D	E	A	K	D	F	I	L	R	E	S	M
S	Q	N	K	F	A	P	E	A	Q	T	F	L	K	E	M	L	
P	L	E	E	F	▀	V	E	E	T	Q	D	F	I	K	E	V	
S	I	S	A	F	S	E	E	T	R	E	F	L	E	E	T	L	
K	E	D	K	K	▀	S	E	E	A	K	D	F	I	K	E	T	L

