

QUERY	1	10	20	30	40
UniRef90_E7PXP3	S Y F E P T G P Y	L M V N V T G V D S K G N E	L L S P H Y V E F P I K P G T T L		
UniRef90_UPI00034AA20F	E Y R E P A G P H L	M I N M M G V N N K G D Y I L	T P P F M E I N L K P G E V V		
UniRef90_A0A034GYG2	D Y Q E I L A G P H L	I V R I T A H D K Q G K N S F E	P R Y V E F P L K P G K V V L		
UniRef90_UPI00031C37C1	D Y Q E T P G H H L	M V N V T A R D T N G N V V S L	P H Y S E F R L T P N T V L		
UniRef90_Z1YCS5	D Y Q E I L Q G Q T H L	M V N V T G V D K K G N E I L V	P G F I E F P L T P G E V V L		
UniRef90_Q934F7	S Y F E P T G P Y L	M V N V T G V D G K G N E L L S	P H Y V E F P I K P G T T L		
UniRef90_Q4ZCZ1	N Y Q E P Q G T M L T	I N I T G E S K E G Q L L L S	P E Y M Q F R L T A G E V V I		
UniRef90_UPI0004709EA3	D Y H E I L Q G Q V H L	M M N V T G V D E N G K I V Y L	P Q Y L E F F P L T E G D V L		
UniRef90_R4ZY65	D F Q E P E G T H L	I I N L T G I D S A G N D L V Y	P N F L E I P L Q V G Q Q L		
UniRef90_C0M9F5	Y V E N P N P H I I	V N V T G T D Q N G N S I L	P H Y I E V N V N M G Q T L		
UniRef90_G5K129	D Y Q E T T G L Y L	M V N I T G V D N T N H T I L V	S P H Y Q D I R L E Y G K T Y		
UniRef90_Q9ZFE2	N Y Q E M K G P K L	I V R L V G I N D N P A D R I	E S H Y M Q Y A I E Q G Q V V I		
UniRef90_G0P485	D Y Q D T T G L Y L	M I N V N G V D S R H N T L V L	P Q Y Q D I K L D Y N K T Y		
			S T H Y I D F R T K R M G A L		

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The diagram shows a sequence of numbers from 9 down to 1, then back up to 2. The sequence is: 9, 9, 8, 8, 8, 8, 7, 4, 5, 8, 8, 8, 8, 9, 9, 9, 6, 0, 8, 8, 7, 3, 6, 8, 7, 1, 5, 7, 5, 5, 8, 8, 2, 3, 2, 1, 3, 2, 1, 2. Arrows above the sequence indicate the direction: a yellow arrow points right from 5 to 8; another yellow arrow points right from 1 to 5; a third yellow arrow points right from 5 to 8; and a final yellow arrow points right from 2 to 1.

QUERY	T	K	E	K	I	E	Y	Y	V	50	D	A	T	A	Y	K	F	R	V	V	E	L	D	P	S	A	K	I	E	V	T	Y	Y	D	K	N										
UniRef90_E7PXP3	D	K	E	A	I	L	K	Y	I	Q	W	S	I	Y	A	V	T	V	D	K	Y	R	I	V	K	I	P	E	D	A	Q	I	Q	V	T	Y	Y	D	K	A						
UniRef90_UP100034AA20F	T	K	K	D	V	I	N	Y	I	E	W	T	L	D	A	H	D	Y	N	K	Y	R	V	V	E	L	D	S	E	A	K	I	Q	V	S	Y	F	S	K	T						
UniRef90_A0A034GYG2	T	K	D	M	V	K	E	F	I	E	W	N	L	D	G	A	D	Y	K	R	F	K	V	M	D	I	P	S	D	A	K	I	Q	V	S	Y	I	D	N	I						
UniRef90_UP100031C37C1	T	K	K	D	I	N	Y	V	Q	I	A	I	A	D	A	K	A	A	D	E	Y	R	V	V	N	L	A	P	N	S	K	I	E	E	V	S	Y	S	N							
UniRef90_Z1YCS5	T	K	E	K	I	E	Y	Y	V	W	E	A	L	D	A	T	A	Y	K	E	F	R	V	V	E	L	D	P	S	A	K	I	E	E	V	T	Y	Y	D	K	N					
UniRef90_Q934F7	N	K	N	E	L	L	D	K	V	Q	L	V		D	S	A	A	S	N	Q	F	E	V	V	D	F	K	P	E	S	K	V	E	W	S	Y	F	D	R	H						
UniRef90_Q4ZCZ1	N	Y	K	F	I	S	E	K	V	Q	Q	T	L	D	A	S	G	H	G	K	F	Q	F	V	G	F	L	E	G	T	K	I	E	W	N	Y										
UniRef90_UP10004709EA3	T	K	R	Q	L	I	Q	F	T	Q	T	M	I	D	H	T	E	P	N	R	Y	K	V	I	D	F	A	E	D	T	Q	I	T	F	S	I	T	T	N							
UniRef90_R4ZY65	S	K	K	E	I	L	D	Y	I	A	R	N	L	S	N	V	G	G	E	S	K	N	V	N	Q	Y	S	N	I	E	F	K	E	S	A	Y	L	K	R	Q						
UniRef90_C0M9F5	T	T	N	E	M	I	K	L	V	Q	D	V	I	D	P	S	A	E	S	F	K	V	I	S	L																					
UniRef90_G5K129	S	K	S	K	L	L	Y	Y	A	Q	E	M	I	H	N	T	V	G	G	N	I	Q	V	V	A	F	E	E	G	A	K	R	Q	V	S	P	L	N								
UniRef90_Q9ZFE2	T	K	D	E	L	L	R	F	V	Q	N	V	I	D	A	S	M	E	N	F	K	V	I	D	L	H	E	V	K	L	V	R	T	A	T	Q										
UniRef90_G0P485	O	T	G	E	O	L	Y	E	V	V	N	M	A	F	E	L	L	I	K	E	N	E	Y	K	E	O	P	E	M	K	I	E	W	F	Y	Y	E	K	G							

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lupas\_14  
lupas\_28  
lupas\_1

QUERY		90	100	110	120
UniRef90_E7PXP3	K K K E E T K S F P   T E K G F V V   P D L S E H □ K N P G F N L I T T K V V I E K				
UniRef90_UPI00034AA20F	E K D Y V T K S Y P   T E S G F V V   P D L S E Y K K N P S F N L V A D I E I E K				
UniRef90_A0A034GYG2	E K Q V V T E Y F P   V T E K G F I I   P D L S E H V H N P G F V I V T D V V V E E				
UniRef90_UPI00031C37C1	T K E R E T K I F P   I T D K G F V I   P D L S K H V K N P S F T L V T D V T V E				
UniRef90_Z1YCS5	N K S D I F P   I T D K G F V I   P D L T K H I E N P S F K   L I T N V V L E E				
UniRef90_Q934F7	K K K R R N E V F P   Y N R K R F C C P				
UniRef90_Q4ZCZ1	E □ L D   T E R G F V P   V D Y S I □ Y E K K P S F L L T G P   V I I Q R				
UniRef90_UPI0004709EA3	K N E Q K F Y D I T D S G F K   V P   D Y T K Y E K T P N Y K L I G K V I V K E				
UniRef90_R4ZY65	H K L S Y P   I S E T G F Q V P   D L T K L S N N P A   L L K G K V I L Q				
UniRef90_COM9F5	L D D G K T E E □ A I D D N D G V T V P				
UniRef90_G5K129	A K L T K A S T A E I S T D H F T T P   K G Q H Q K D Q T Y   I L T G Q V L V E K				
UniRef90_Q9ZFE2	G G I □ M H E M P I T E Y G V D   P Y T K D S D D N P T Y V L K G N I Y F K R				
UniRef90_G0P485	E E M S P N T F S T L A E N Q Y   N D A N Q S Y L L T G N V L V E				
	E K L K E L E A F E I E K F K E K   P F T S N G K K K P   L T V T A P R V V E E				

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3 5 7 7 7 5 1 7 8 6 1 5 7 7 3 4 4 3 1 0 2 3 5 5 4 5 6 7 7 1 5 8 8 9 9 9 8 4 3  
 B B B      B B B B B      B B B B B B  
 ↑↑↑      ↑↑↑      ↑↑↑↑↑

QUERY	K
UniRef90_E7PXP3	
UniRef90_UPI00034AA20F	R
UniRef90_A0A034GYG2	K
UniRef90_UPI00031C37C1	K
UniRef90_Z1YCS5	
UniRef90_Q934F7	K
UniRef90_Q4ZCZ1	
UniRef90_UPI0004709EA3	
UniRef90_R4ZY65	
UniRef90_C0M9F5	
UniRef90_G5K129	
UniRef90_Q9ZFE2	
UniRef90_G0P485	K

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jnet	
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sol25	
sol5	
sol0	
jhmm	
jpssm	

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