Blo Enddem Type 3

<u>A-1</u> Global Alignment

@ ACGTACG and CTCGGC Match = 8 Mis match = -4 Crap = -5

Step 2 Initialization

Add jet scores to previous values

D	1						C
•	0	-5	-10	-15	-20	-25	-30
A	-5						
C	-10						
G	-15						
T	-20						
A	-25						
C	30						
5	-35						
						1	

Hep 2 Forward fill

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		1	1	1				
D		c	T	C	9	9	C	
	0	-5	-10	-15	-20	-25	-30	
A	-	-4	- 9	-19	-19	-24	-29	
C	10	3	-2	- 1	-6	-11	-16	
G	-15	-2	-1	-6	7	2	-3	
T	-20	-7	6	1	2	3	- 2	
A	-25	-12	TIE	2	-3	-2	-1	
C	-30	-17	-4	94	4	-1	6	
C	-35	-22	-9	4	17	126	17	

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Backtracing

Two growths

Answer

Anower

APPEAL

APPEAL

Tritalization

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(ap sore = -2 PAM 100

Fill reroes

					,		
		S	P	ŧ	A	K	L
	0	0	0	0	6	0	0
A	0						
9	0						
9	0						
E	0						
A	0						
L	0						

forward fill SIPE 12 10 E 16 = 14 = 12

Backpass 20 →12→14 → 16 →12→7 Result SPEAKL APPEA-L Sayam Kumar S20180010188 Page 4

Rosenal Protein val this Len The Pro With Gila Mutated val this len The Pro Val Gla

ClungAG Valngug

This is because of exygen tension that rouses sickle PBC

Example Fosher BAH

BAH

Affected

The proteins should be equally paned.

bails.

gt ha both amino acids in both

parents

father

thee

Sayam Kumar

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GTGCACCTCACCTCTTCT GTG CA (CTG ACT CCTGTGGAGAAGS) 51

dimilarly in nother, pair 3 is the parent for this child.