





























atgacca geocologica otigti Millori Mil							É		TALWM ALWG OHLC TVCG TPK9-P	RLL <b>PL</b> PDP <b>AA</b> SSHLV EFTRG EAED
	Strin	g A	lig	nn	ner	nt F	un	ctio	n	
A	column	$\begin{pmatrix} x \\ y \end{pmatrix}$ re	eceive	es the	e valu	ie				
	<pre>- +1 if &gt;1 if2 if</pre>	$x = y, x \neq y, x \neq y, x \neq y, x = - \alpha$	i.e. w i.e. v or y =	ve hav ve ha = -, i.e	ve a r ve a r e. we	natch mism have	atch a gap	)		
	Apply th	e abo	ve ali	gnme	ent fu	inctic	on to t	he exai	nple:	
		a	С	d	b	с	d	b c		
		b	С	d	b	С	-	b b		
	Score	-1	1	1	1	1	-2	1 -1	= +1	
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C				Lc	) )C2	al .	A1	ig	nr	ne	ent	S S			LWG HLC VCC KUP
		G	A	A	с	G	т	A	G	G	с	G	т	A	т
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0
т	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2
A	0	0	1	1	0	0	0	2	0	0	0	0	0	2	0
с	0	0	0	0	2	0	0	0	1	0	1	0	0	0	1
т	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1
A	0	0	1	1	0	0	0	2	0	0	0	0	0	2	0
С	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0
G	0	1	0	0	0	3	1	0	1	1	0	2	0	0	0
G	0	1	0	0	0	1	2	0	0	2	0	1	1	0	0
A	0	0	2	1	0	0	0	3	1	0	0	0	0	2	0
G	0	1	0	0	0	1	0	0	4	2	0	1	0	0	0
G	0	1	0	0	0	1	0	0	1	5	3	1	0	0	0
G	0	1	0	0	0	1	0	0	1	2	4	4	2	0	0
G G T h P r	0 0 1 u s , o g r a r	1 1 the n m in	0 0 best gis:	0 0 1 o c a	0 0 1 ali A A	1 1 g n m c C G C C G 1	0 0 nta AG	0 0 chiev G	1 1 red	5 2 from	3 4 the	1 4 a b o	0 2 v e D	0 0 ynam	0 0









Comparison	n: PAM an Matrices	nd BLOSU	JM
The <b>PAM</b> model	is designed to	track the	
evolutionary orig BLOSUM model conserved domain	ins of proteins, l is designed to ns.	find their	
BLOSUM model conserved domain	l is designed to ns. BLOSUM 62	BLOSUM 45	
BLOSUM model conserved domain BLOSUM 80 PAM 1	Ins of proteins, l is designed to ns. BLOSUM 62 PAM 120	BLOSUM 45 PAM 250	



