[Simple Scoring Scheme] Example 2

Seq. 1: GAT

Seq. 2: GCAAT

Match: +8 (w(a, b) = 8, if a = b)

Mismatch: -5 (w(a, b) = -5, if a \neq b)

Each gap symbol: -3 (w(-,b) = w(a,-) = -3)

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S

9						
		G	С	Α	Α	Т
	0,	-3	-6	-9	-12	-15
G	-3	(8)	(1)	2/	-1	-4
Α	-6	5	3	(13)E	(10)	-7
Т	-9	2	0	10	7	(18)

G-A-T GCAAT G - AT G C AAT

[Affine Gap Penalties] Example 2

Seq. 1: GAT

Seq. 2: GCAAT

Match: +8 (w(a, b) = 8, if a = b)

Mismatch: -5 (w(a, b) = -5, if a \neq b)

Each gap symbol: -3 (w(-,b) = w(a,-) = -3)

Each gap is charged an extra gap-open penalty: -4

D						
		G	С	Α	Α	T
	-4	-∞	-∞	-∞	-∞	-∞
G	-7	-14	47	20	1 2)	-26
Α	-10	1	-6	-9	12	-15
Т	-13	-2	-4	2	1	-6

1						
		G	С	Α	Α	T
	-4	-7	-10	-13	-16	-19
G	-∞	-14	(1)	(2)	1	-8
Α	-∞	17	1-6	-41	2	-1
Т	-∞	-20	-9	-11		-3
S		4	·	,		
		G	С	Α	Α	Т
(0)-71	-10	-13 /	-16	-19
G	-7	(8)	1	(2)	95	-8
Α	-10	T	3	91	(6)	DI
Т	-13	(-)	(1	~	11	× 1 /1

Kan-Mas Char 2016/10/17

> 99320 6--AT GCAAT