

Q5

↘ = mismatch (-1) or match (+2)
 ↓ or → = gap = -2

* arrows give optimal alignment

	-	A	G	T	T	C
-	0	-2	-4	-6	-8	-10
A	-2	2	0	-2	-4	-6
T	-4	0	1	2	0	-2
T	-6	-2	-1	3	4	2
G	-8	-4	0	1	2	3
C	-10	-6	-2	-1	0	4

● A G T T C
 A T T G C +11

● A G T T C
 A T T G C +10

seq 2

	-	A	G	T	T	C
-	0	-2	-4	-6	-8	-10
seq 1 A	-2	2	0	-2	-4	-6
T	-4	0	1	2	0	-2
T	-6	-2	-1	3	4	2
G	-8	-4	0	1	2	3
C	-10	-6	-2	-1	0	4

seq 2 A G T T C
 | | | | |
 seq 1 A T T G C

Q6

	-	T	A	T	A	G
-	0	-2	-4	-6	-8	-10
G	-2	-1	-3	-5	-7	-6
T	-4	0	-2	-1	-3	-5
T	-6	-2	-1	0	-2	-4
A	-8	-4	0	-2	+2	0
C	-10	-6	-2	-1	0	+1

● T A T A G
 | | | | |
 G T T A C
 ● T A T A G
 | | | | |
 G T T A C

score : +1