Align ATGCT and ATTACA

Scoring: match = 1, mismatch = -1, gap = -1

	–	A	T	T	A	C	A
–							
A							
T							
G							
C							
T							

Align ATGCT and ATTACA

Scoring: match = 1, mismatch = -1, gap = -1

	–	A	T	T	A	C	A
–	0	−1	−2	−3	−4	−5	−6
A	−1	1	0	−1	−2	−3	−4
T	−2	0	2	1	0	−1	−2
G	−3	−1	1	1	0	−1	−2
C	−4	−2	0	0	0	1	0
T	−5	−3	−1	1	0	−1	0

Align ATGCT and ATTACA

Scoring: match = 1, mismatch = -1, gap = -1

	–	A	T	T	A	C	A
–	0	–1	–2	–3	–4	–5	–6
A	–1	1	0	–1	–2	–3	–4
T	–2	0	2	1	0	–1	–2
G	–3	–1	1	1	0	–1	–2
C	–4	–2	0	0	0	1	0
T	–5	–3	–1	1	0	–1	0

ATTACA
ATG–CT

Align ATGCT and ATTACA

Scoring: match = 1, mismatch = -1, gap = -1

	–	A	T	T	A	C	A
–	0	–1	–2	–3	–4	–5	–6
A	–1	1	0	–1	–2	–3	–4
T	–2	0	2	1	0	–1	–2
G	–3	–1	1	1	0	–1	–2
C	–4	–2	0	0	0	1	0
T	–5	–3	–1	1	0	–1	0

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ATTACA
AT–GCT
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Align ATGCT and ATTACA

Scoring: match = 1, mismatch = -1, gap = -1

	–	A	T	T	A	C	A
–	0	–1	–2	–3	–4	–5	–6
A	–1	1	0	–1	–2	–3	–4
T	–2	0	2	1	0	–1	–2
G	–3	–1	1	1	0	–1	–2
C	–4	–2	0	0	0	1	0
T	–5	–3	–1	1	0	–1	0

ATTACA
A–TGCT