

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

(a) Edit distance matrix

	0	A	G	C	A	T	C
0	0	0	0	0	0	0	0
A	1	0	-1	-1	-1	-1	-1
T	1	1	0	0	0	-1	-1
A	1	1	1	0	0	0	0
T	1	1	1	1	1	0	-1
C	1	1	1	0	1	1	-1

(b)  $C_{i,j} - C_{i-1,j}$

	0	A	G	C	A	T	C
0	0	0	0	0	0	0	0
A	1	0	0	0	0	0	0
T	1	1	0	0	0	0	0
A	1	1	1	0	0	0	0
T	1	1	1	1	1	0	0
C	1	1	1	0	1	1	0

(c)  $V^+$  of each row

	0	A	G	C	A	T	C
0	0	0	0	0	0	0	0
A	0	0	1	1	1	1	1
T	0	0	0	0	0	1	1
A	0	0	0	0	0	0	0
T	0	0	0	0	0	0	1
C	0	0	0	0	0	0	1

(d)  $V^-$  each row