AAAAAACAGGTGAGTAAAAAAAA

(a)

	A	A	A	A	A	A	C	A	G
G	-0.92	-0.22	0.69	1.39	-40.06	0.69	-0.92	1.16	-0.92
A	0.18	0.47	-0.22	-40.06	-40.06	0.69	1.03	-0.92	-40.06
T	-0.22	0.18	-0.22	-40.06	1.39	-40.06	-40.06	-0.92	1.03
C	0.47	-0.92	-0.92	-40.06	-40.06	-40.06	-0.22	-40.06	-0.22

= -81.1

AAAAAACAGGTGAGTAAAAAAAA

(b)

	A	A	A	A	A	C	A	G	G
G	-0.92	-0.22	0.69	1.39	-40.06	0.69	-0.92	1.16	-0.92
A	0.18	0.47	-0.22	-40.06	-40.06	0.69	1.03	-0.92	-40.06
T	-0.22	0.18	-0.22	-40.06	1.39	-40.06	-40.06	-0.92	1.03
C	0.47	-0.92	-0.92	-40.06	-40.06	-40.06	-0.22	-40.06	-0.22

= -118.5

AAAAAACAGGTGAGTAAAAAAAA

(c)

	A	A	A	A	C	A	G	G	T
G	-0.92	-0.22	0.69	1.39	-40.06	0.69	-0.92	1.16	-0.92
A	0.18	0.47	-0.22	-40.06	-40.06	0.69	1.03	-0.92	-40.06
T	-0.22	0.18	-0.22	-40.06	1.39	-40.06	-40.06	-0.92	1.03
C	0.47	-0.92	-0.92	-40.06	-40.06	-40.06	-0.22	-40.06	-0.22

= -77.7

A diagram of the scanning process

A diagram of the scanning process. (**a**) Shows the contents of the first sliding window and the corresponding values from the PWM. (**b**) It shows the contents of the second sliding window and the correspondence with the PWM values. (**c**) The same scheme is presented for the third sliding window. The process continues until the last symbol in the z-sequence is incorporated inside a sliding window. For each step, the PWM values corresponding to each symbol from the sliding window are summed and the result is shown next to the PWM. Note that a sliding window of step 1 is used here.