k = numChars = 4

N = numSeq = 5

M = lenSeq = 10

W = lenMotif = 5

α' = alphaListBg = $[1 \quad 1 \quad 1 \quad 1]$

α = alphaListMw = $[0.9 \quad 0.9 \quad 0.9 \quad 0.9]$

θ = thetaBg = $[0.15 \quad 0.50 \quad 0.16 \quad 0.19]$

$\theta^{1:w}$ = thetaMw =

0.09	0.79	0.06	0.06	$\rightarrow \theta^1$
0.68	0.03	0.01	0.28	$\rightarrow \theta^2$
0.17	0.05	0.52	0.26	$\rightarrow \theta^3$
0.20	0.51	0.01	0.28	$\rightarrow \theta^4$
0.12	0.03	0.62	0.23	$\rightarrow \theta^5$

Sequences (seqList):

	0	1	2	3	4	5	6	7	8	9
S^0	0	1	1	1	0	2	1	0	3	3
S^1	1	2	1	2	0	1	0	2	1	2
S^2	1	1	0	2	1	3	2	2	1	0
S^3	0	1	1	2	1	1	0	0	3	3
S^4	1	1	3	3	0	3	3	0	3	1

startList:

	r
S^0	3
S^1	5
S^2	1
S^3	5
S^4	1

motifList:

S^0	1	0	2	1	0
S^1	1	0	2	1	2
S^2	1	0	2	1	3
S^3	1	0	0	3	3
S^4	1	3	3	0	3