

Table S2. Number of sequences misaligned by Gibbs sampling programs.

Sequence set size M	Optimal W	Pattern width			
		W	17	21	25
30	22	2		1	3
29	22	2		1	2
28	22	2		1	3
27	22	1		1	2
26	22	1		1	2
25	22	1		1	1
24	22	1		1	2
23	22	1		1	2
22	22	1		1	2
21	22	1		1	2
20	22	1		1	2
19	20	1	3	1	2
18	20	1	3	1	2
17	20	1	3	1	2
16	20	1	3	1	4
15	20	1		1	4
14	20		(2)		1 (2)
13	20		(2)		
12	20		(2)		2
11	20		2		3
10	18	(1)	1 (2)	1	2 (2)
9	19	2		1	2 (1)
8	19				2
7	19			2	2
6	19	1 (1)	2 (1)	2	2 (1)
5	20	1 (1)	1 (1)	1 (1)	1 (1)
4	16	1 (1)	1 (1)	1 (1)	1 (1)