Building K-Filter

Text

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

Filter

0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0

Building K-Filter

Text

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

$\downarrow$

H(k)

Filter

0	
0	
0	
1	AGCCC
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	

Building K-Filter

Text

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

H(k)

Filter

0	
0	
0	
1	AGCCC
0	
0	
0	
1	GCCCT
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	

Building K-Filter

Text

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

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Pseudo-MEMs

C	T	A	G	C

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Pseudo-MEMs

C	T	A	G	C	C

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Pseudo-MEMs

C	T	A	G	C	C	C

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Pseudo-MEMs

C	T	A	G	C	C	C	C

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Pseudo-MEMs

C	T	A	G	C	C	C	C	G

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Pseudo-MEMs

C	T	A	G	C	C	C	C	G

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Pseudo-MEMs

C	T	A	G	C	C	C	C	G

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

| C | T | A | G | C | C | C | C | G | G | C | C | C | C | G |

Pseudo-MEMs

| C | T | A | G | C | C | C | C | G |

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Pseudo-MEMs

C	T	A	G	C	C	C	C	G

G	G	C	C	C

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

| C | T | A | G | C | C | C | C | G | G | C | C | C | C | G |

Pseudo-MEMs

| C | T | A | G | C | C | C | C | G |

| G | G | C | C | C | C |

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	

Finding Pseudo-MEMs

Query

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

Pseudo-MEMs

C	T	A	G	C	C	C	C	G

G	G	C	C	C	C	G

Filter

0	
1	CTAGC
0	
1	AGCCC
0	
0	
0	
1	GCCCT
1	CCCTA
0	
1	TAGCC
1	AGGCC
1	TAGCC
1	GGCCC
1	GCCCC
1	CCTAG
1	CCCCG
0	
0	
1	CTAGG
0	
1	TAGGC
0	