

A)







Gene 1 atomic motifs



Gene 2 atomic motifs

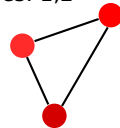


B)

- PreSSM 1: Extended sequence:  Genes: 1
- PreSSM 2: Extended sequence:  Genes: 1, 2
- PreSSM 3: Extended sequence:  Genes: 1
- PreSSM 4: Extended sequence:  Genes: 1
- PreSSM 5: Extended sequence:  Genes: 2
- PreSSM 6: Extended sequence:  Genes: 2
- ...

C)

Genes: 1,2

— : Hamming distance $\leq d$

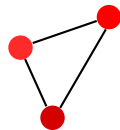
Genes: 1,2



Genes: 1

D)

2 SSM:



and

