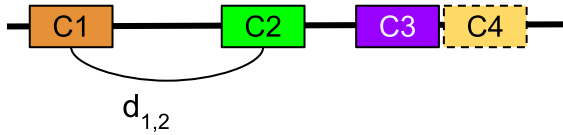
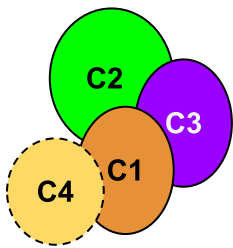


Macromolecular system

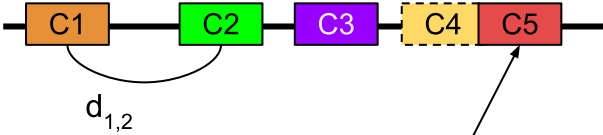
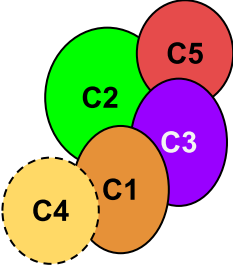
Genomic context

Model context

xml transcription



System A



System B

quorum rules

co-localization rules

model A	model B
<div>C1</div> <div>C2</div> <div>C3</div> <div>(C4)</div> <div>C5</div>	<div>C1</div> <div>C2</div> <div>C3</div> <div>(C4)</div> <div>C5</div>
$d_{1,2} \leq DA$	$d_{1,2} \leq DB$

A.xml

```
<model inter_gene_max_space="DA" min_required_gene="n" vers="2.0">
  <gene name="C1" presence="mandatory"/>
  <gene name="C2" presence="mandatory"/>
  <gene name="C3" presence="mandatory"/>
  <gene name="C4" presence="accessory"/>
  <gene name="C5" presence="forbidden"/>
</model>
```

B.xml

```
<model inter_gene_max_space="DB" min_required_gene="n" vers="2.0">
  <gene name="C1" presence="mandatory"/>
  <gene name="C2" presence="mandatory"/>
  <gene name="C3" presence="mandatory"/>
  <gene name="C4" presence="accessory"/>
  <gene name="C5" presence="mandatory"/>
</model>
```