

# MetaCortex single<sub>i</sub>nsert<sub>g</sub>enome.fa

October 19, 2016

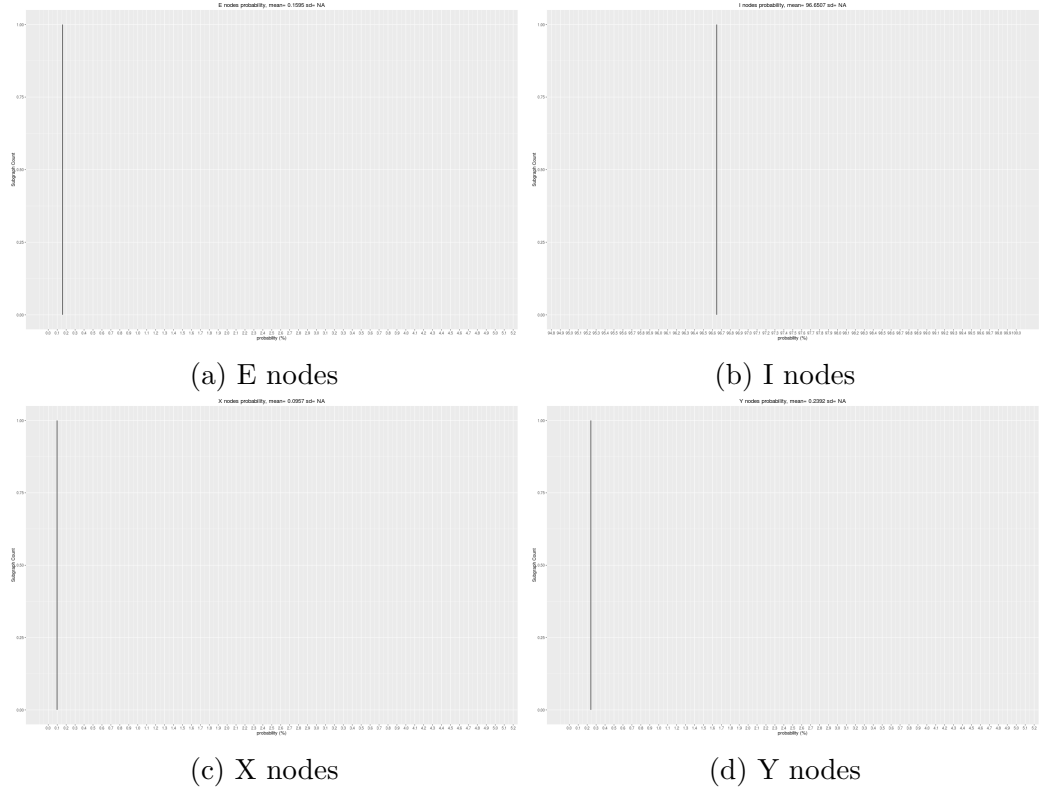


Figure 1: Distribution of nodes in graph

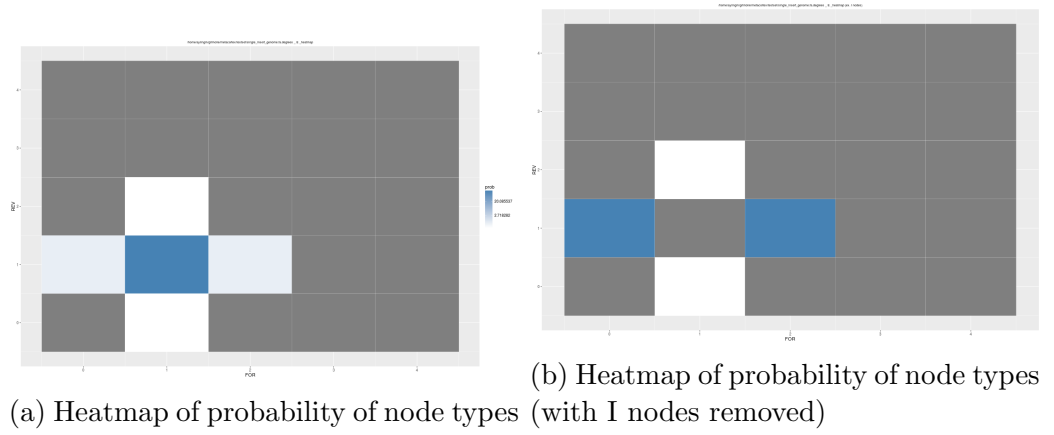


Figure 2: Heatmap of probability of nodes within the graph

### Complexity distribution of total graph (X/Y nodes)

0 0  
1 0  
2 0  
3 1  
4 0

### Coverage dist

1 169  
2-4 40

1 169  
2 9  
3 31  
4 0  
5 0  
6 0  
7 0  
8 0  
9 0  
≥10 0

### kmers

unique 209      total 400      % of total 52.25

### subgraphs

largest subgraph 209      % of total 100.00  
num subgraphs 1      num subgraphs>2k 0  
num subgraphs per E<sup>6</sup> kmers 0.004785  
branches 3      per 1000 nodes 0.00

### graph size dist:

≤E<sup>0</sup> 0  
≤E<sup>1</sup> 0  
≤E<sup>2</sup> 1  
≤E<sup>3</sup> 0  
≤E<sup>4</sup> 0  
≤E<sup>5</sup> 0  
≤E<sup>6</sup> 0  
≤E<sup>7</sup> 0  
≤E<sup>8</sup> 0  
≤E<sup>9</sup> 0

### highest coverage kmers

3 ATAATATAAGAGAAATCGAAGGTATCATCAT  
3 TACAAACAAAATACGGCAAAAAAATCGCGCA  
3 ATACAAACAAAATACGGCAAAAAAATCGCGC  
3 CATACAAACAAAATACGGCAAAAAAATCGCG  
3 GCGATTTTTTTGCCGTATTTTGTGTGTATGA

num simple graphs 0