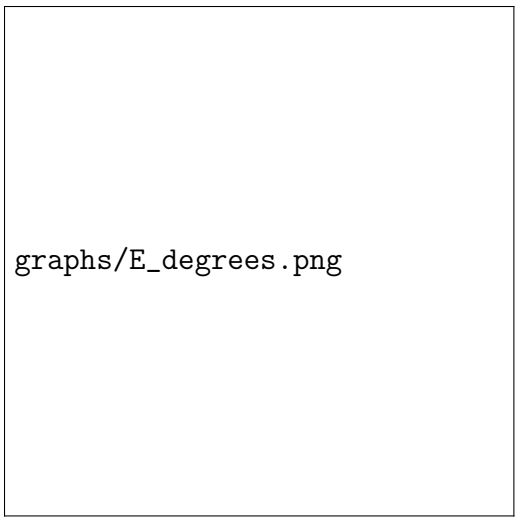
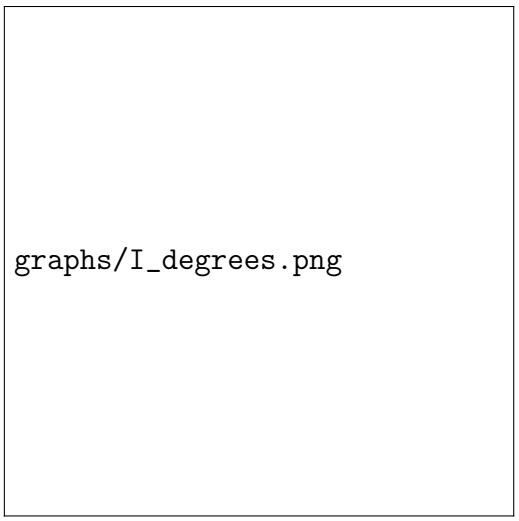
MetaCortex contigs.fa

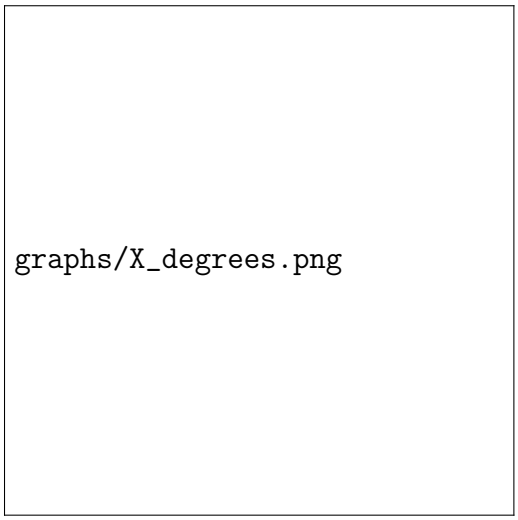
October 7, 2016



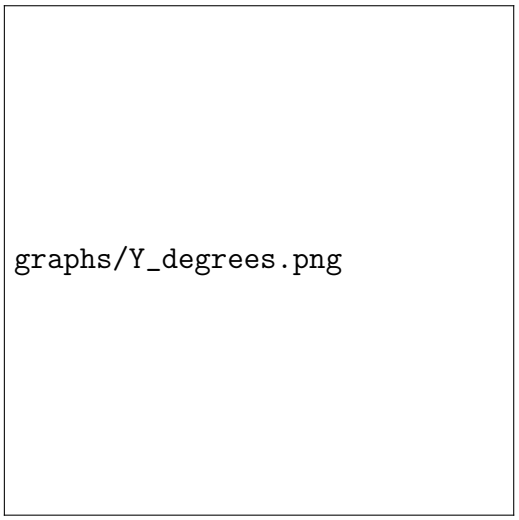
(a) E nodes



(b) I nodes

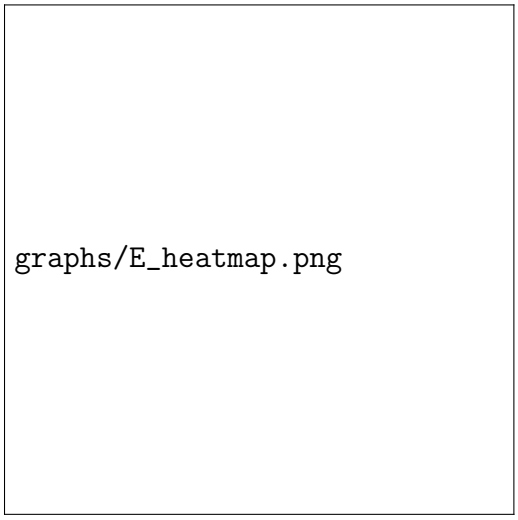


(c) X nodes

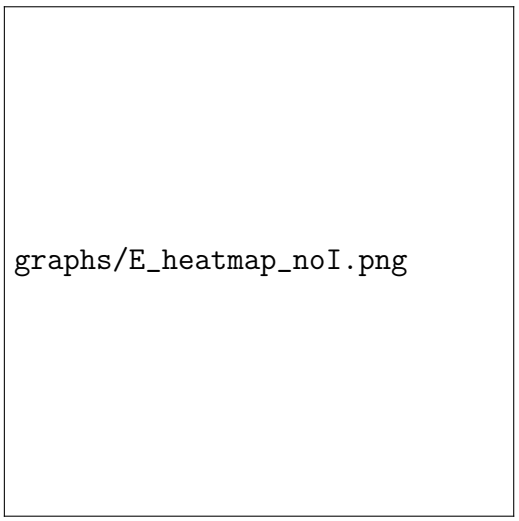


(d) Y nodes

Figure 1: Distribution of nodes in graph



(a) Heatmap of probability of node types



(b) Heatmap of probability of node types (with I nodes removed)

Figure 2: Heatmap of probability of nodes within the graph

Complexity distribution of total graph (X/Y nodes)

0	0
1	0
2	1
3	0
4	0

Coverage dist

1	154
2-4	47

1	154
2	15
3	32
4	0
5	0
6	0
7	0
8	0
9	0
≥10	0

kmers

unique 201 total 400 % of total 50.25

subgraphs

largest subgraph 201 % of total 100.00
num subgraphs 1 num subgraphs>2k 0
num subgraphs per E^6 kmers 0.004975
branches 2 per 1000 nodes 0.00

graph size dist:

$\leq E^0$	0
$\leq E^1$	0
$\leq E^2$	1
$\leq E^3$	0
$\leq E^4$	0
$\leq E^5$	0
$\leq E^6$	0
$\leq E^7$	0
$\leq E^8$	0
$\leq E^9$	0

highest coverage kmers

3	ATAATATAAGAGAAATCGAAGGTATCATCAT
3	ACAAACAAAATACGGCAAAAAAATCGCGCAT
3	TACAAACAAAATACGGCAAAAAAATCGCGCA
3	ATACAAACAAAATACGGCAAAAAAATCGCGC
3	CATACAAACAAAATACGGCAAAAAAATCGCG

num simple graphs 0