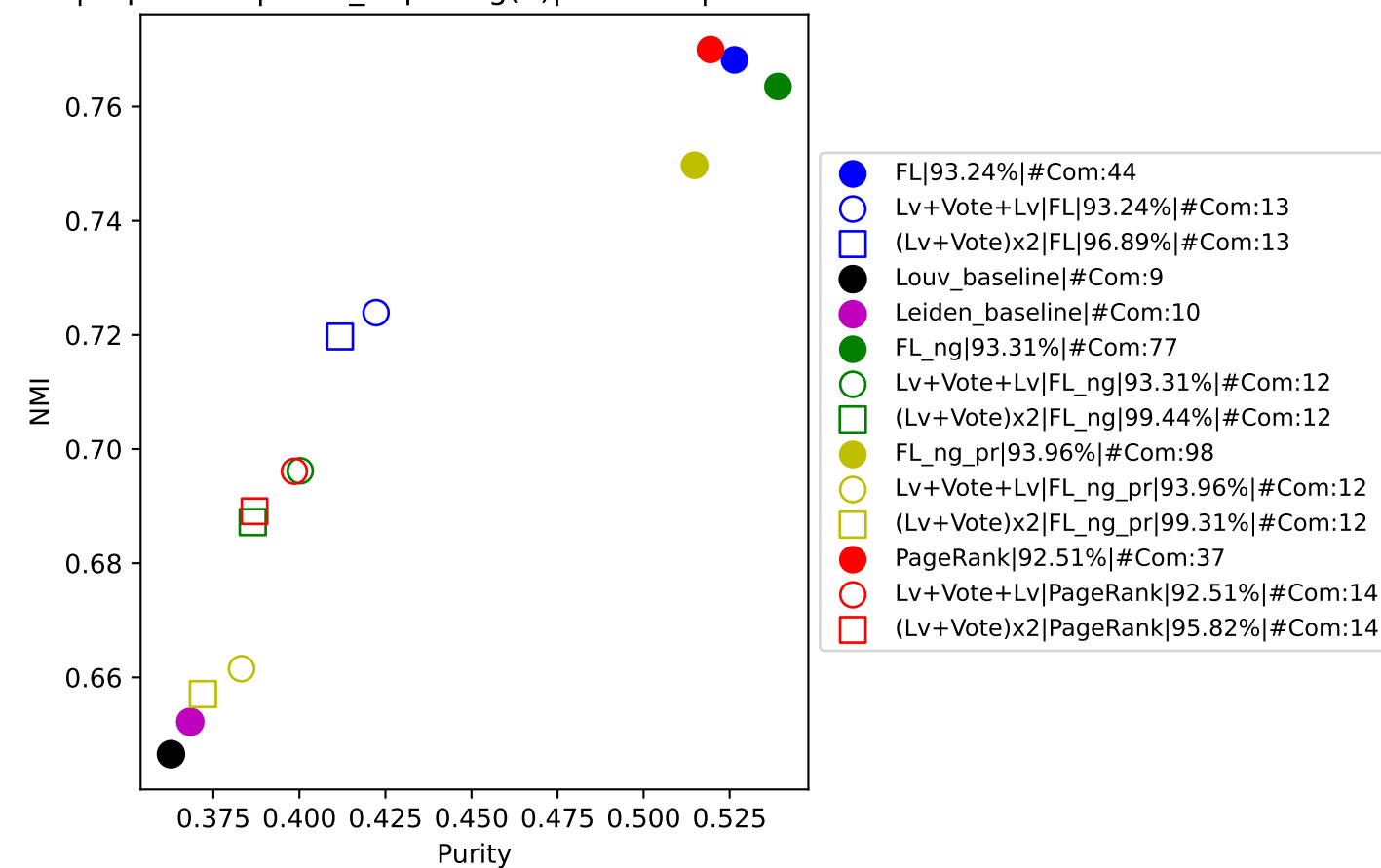
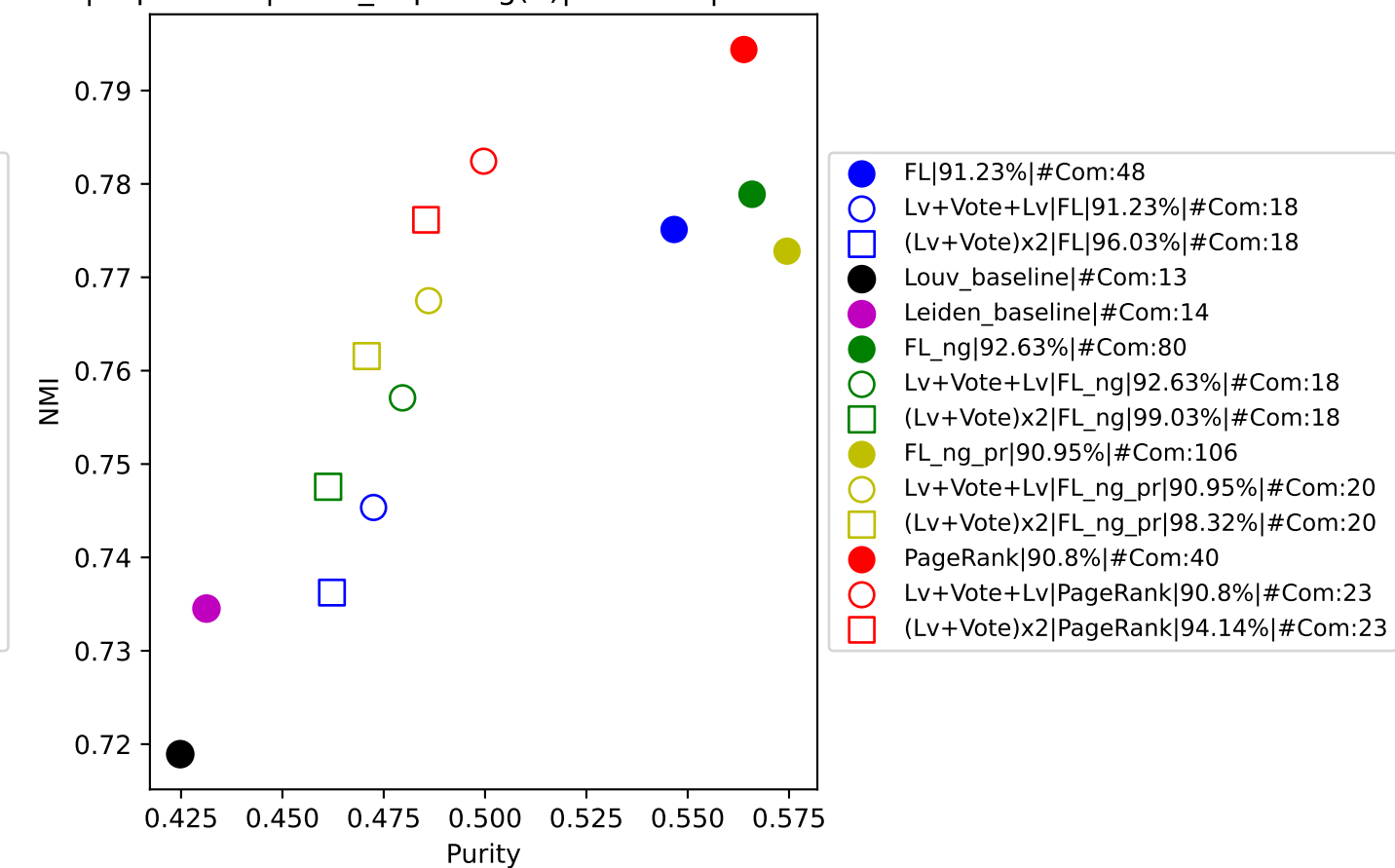


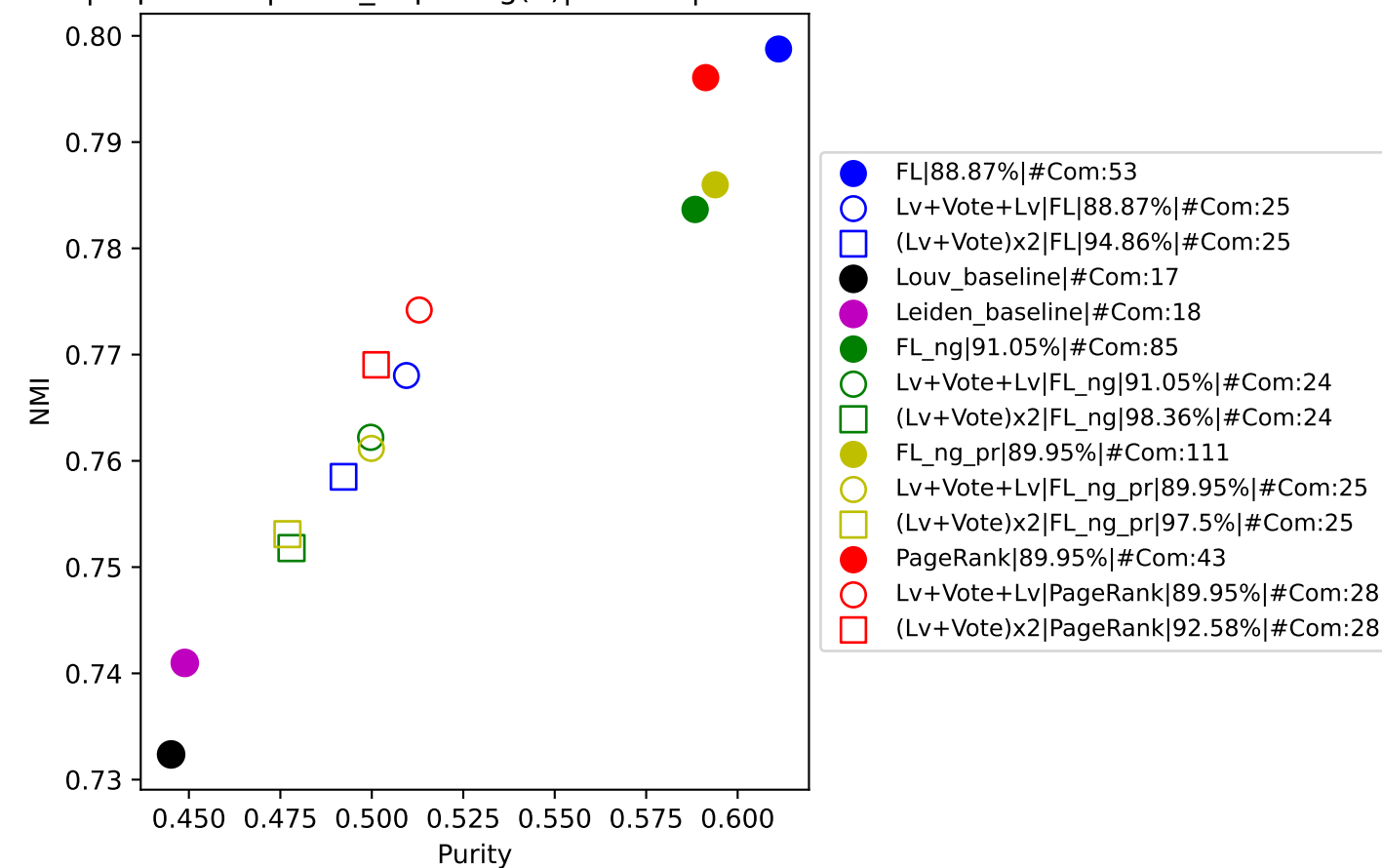
AMB | top 20.0%| Num_hops: log(n)|res: 0.05|#OfComm: 110



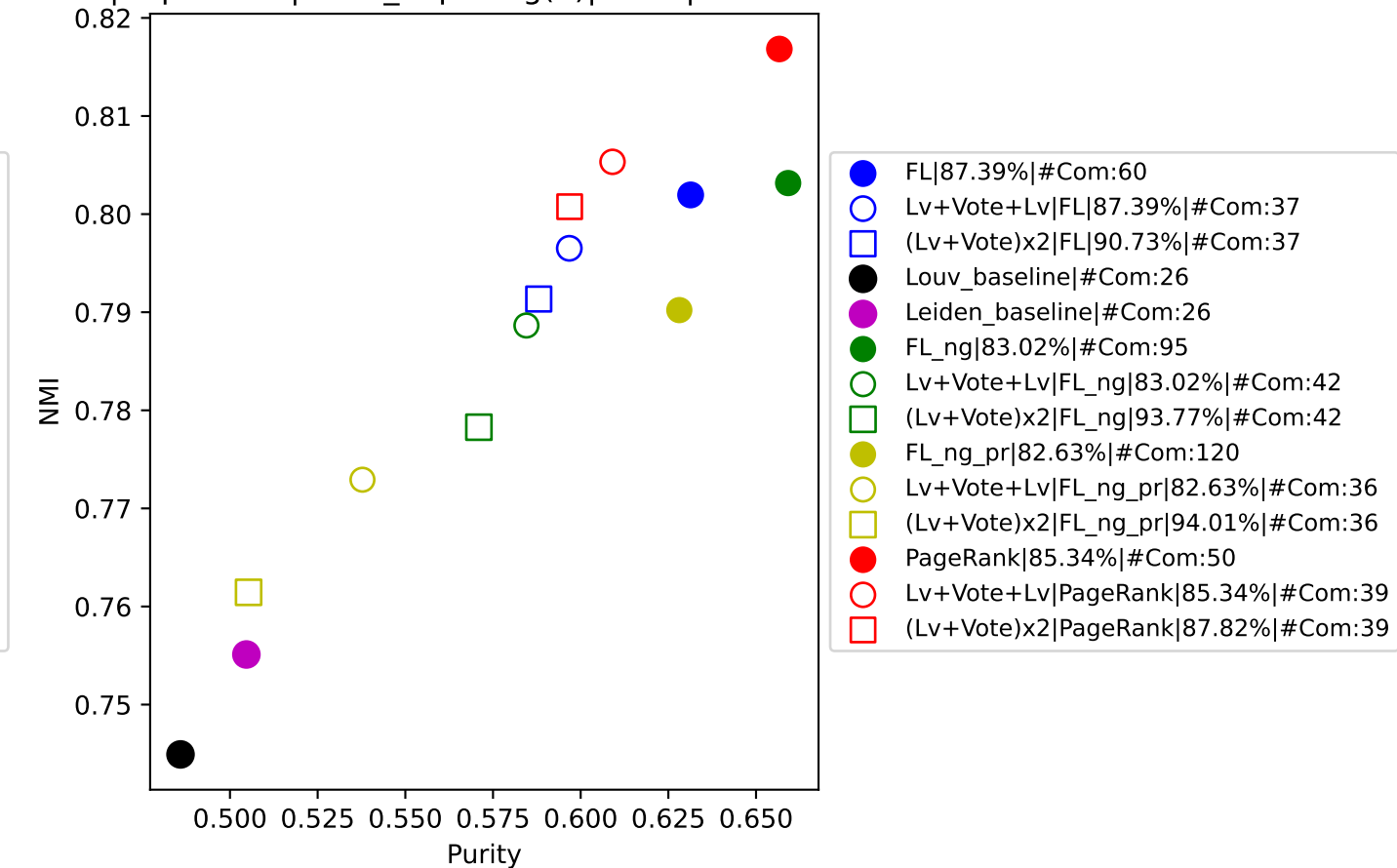
AMB | top 20.0%| Num_hops: log(n)|res: 0.25|#OfComm: 110



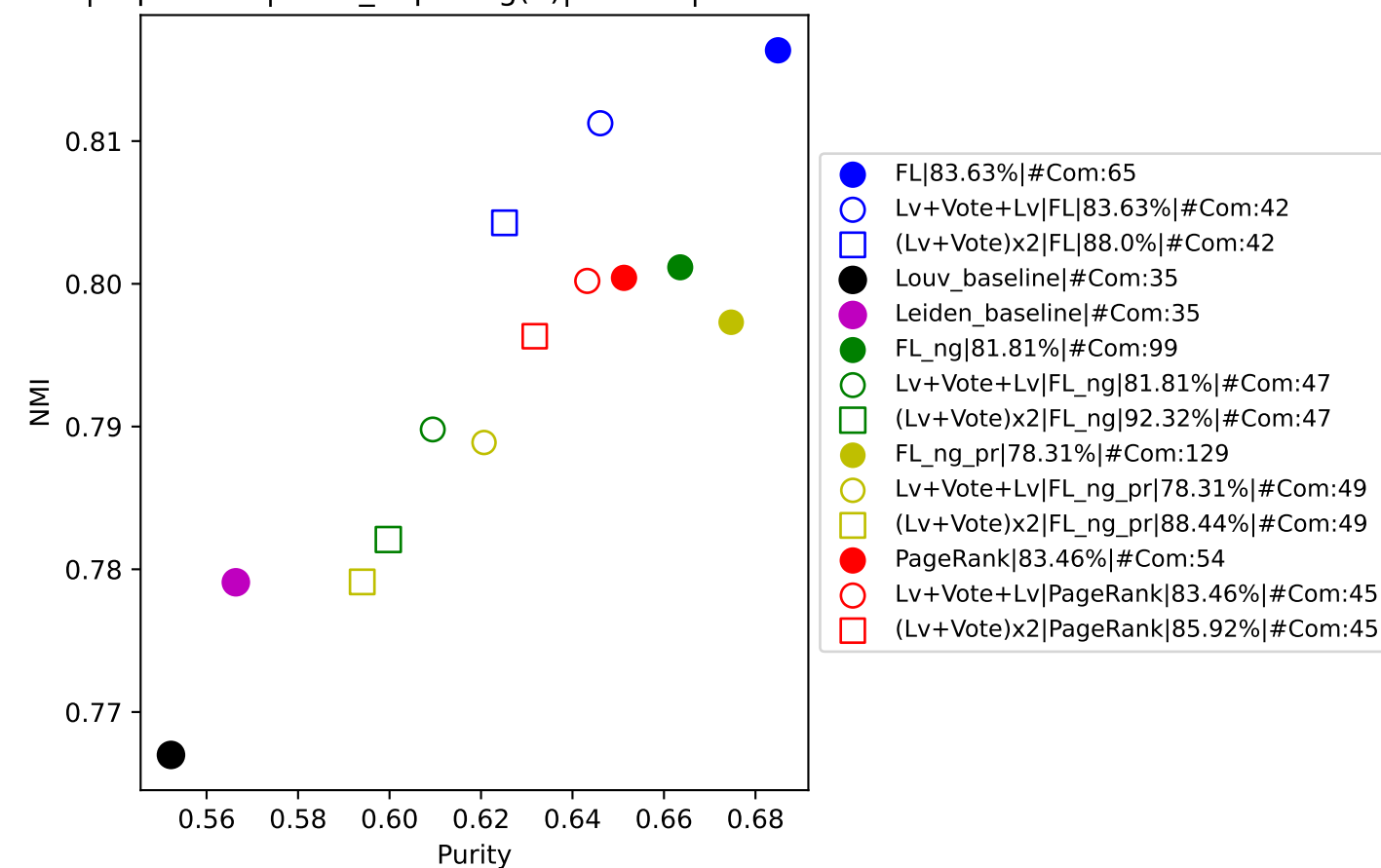
AMB | top 20.0%| Num_hops: log(n)|res: 0.5|#OfComm: 110



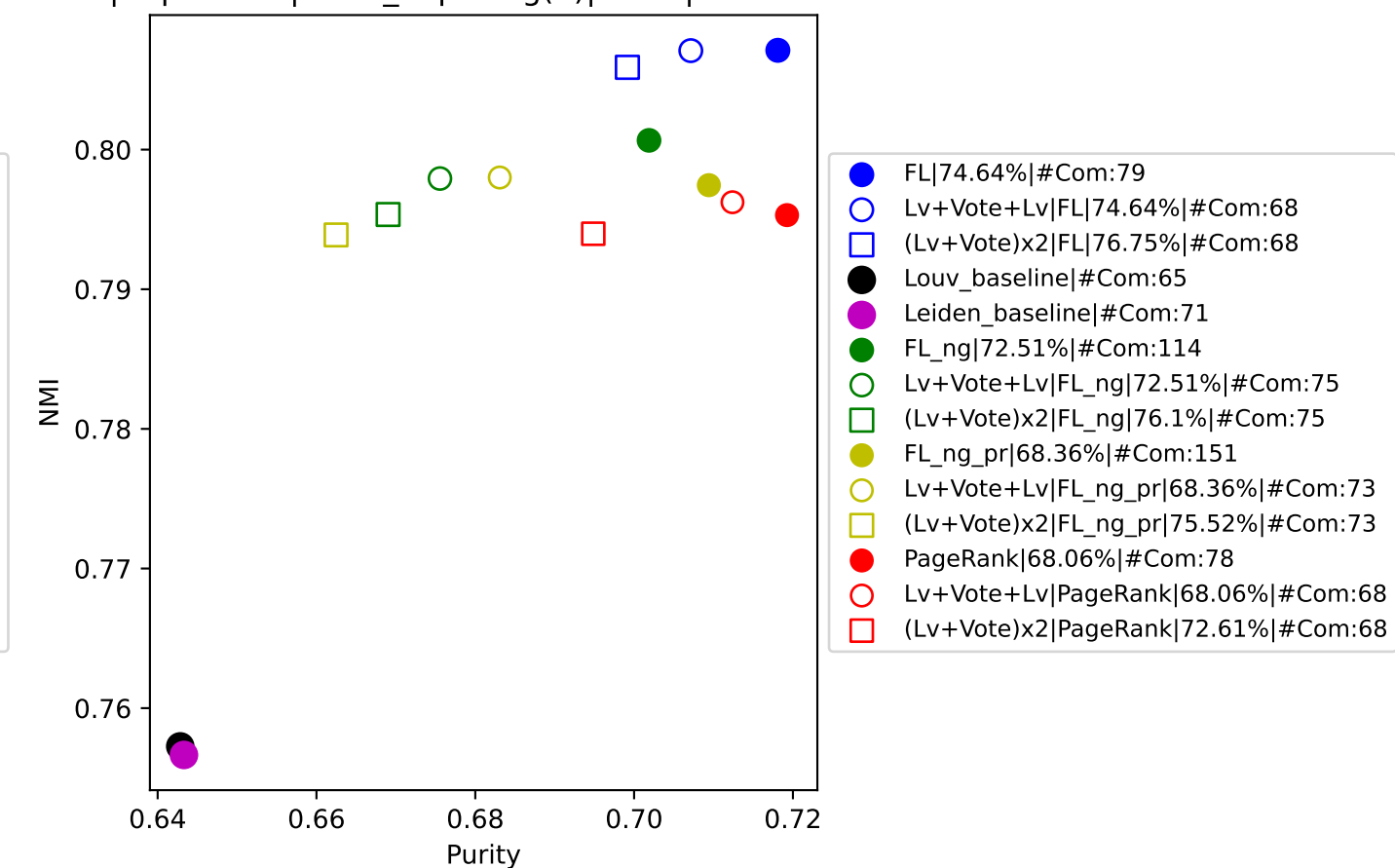
AMB | top 20.0%| Num_hops: log(n)|res: 1|#OfComm: 110



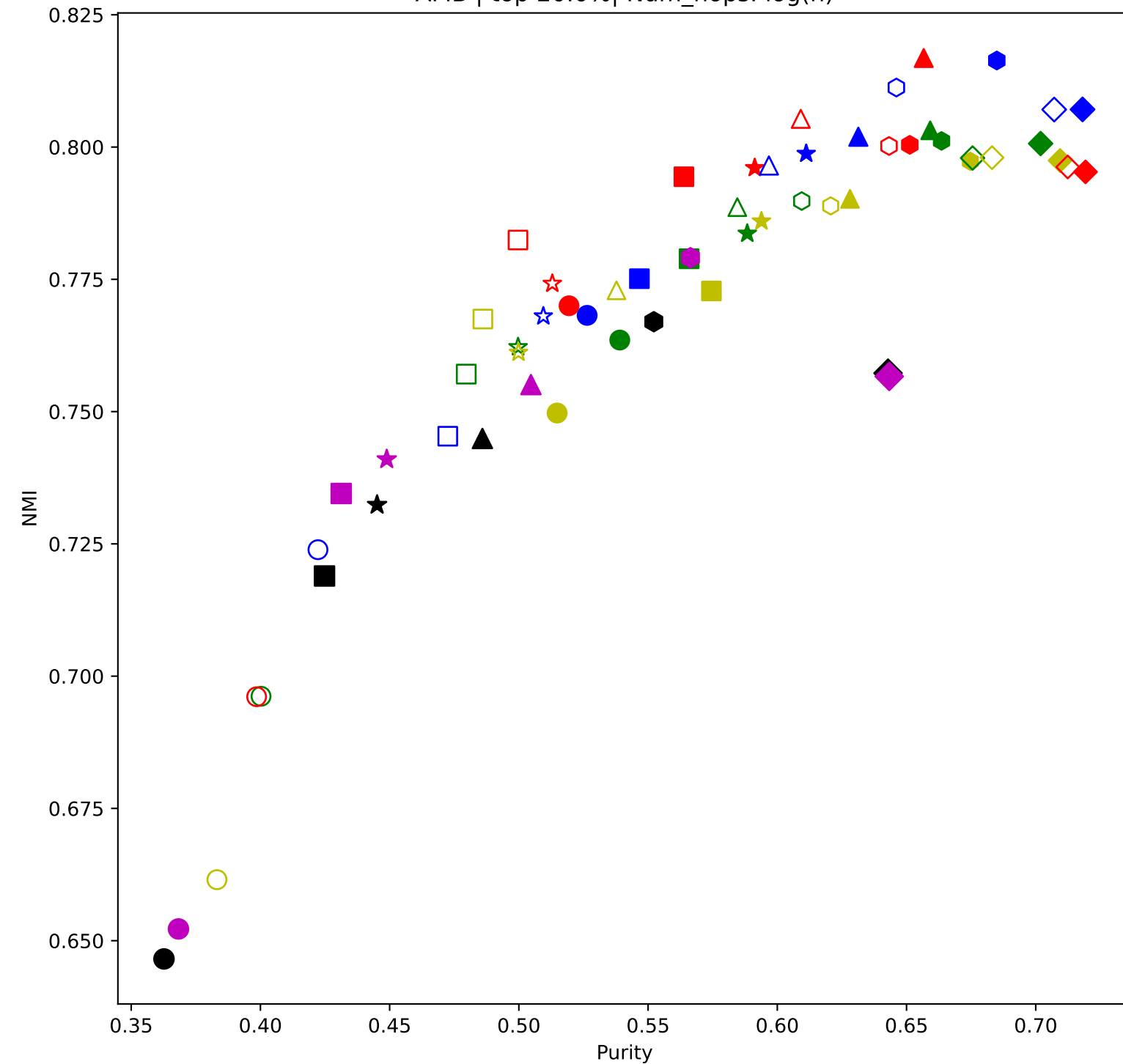
AMB | top 20.0%| Num_hops: log(n)|res: 1.5|#OfComm: 110



AMB | top 20.0%| Num_hops: log(n)|res: 5|#OfComm: 110

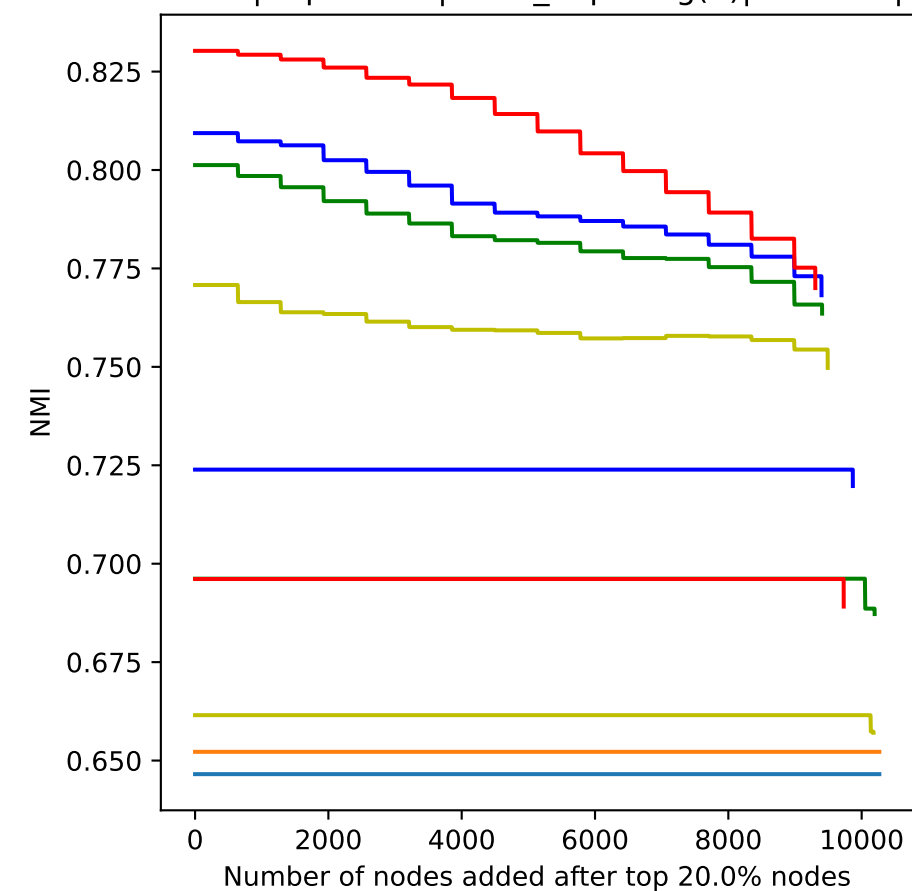


AMB | top 20.0%| Num_hops: log(n)



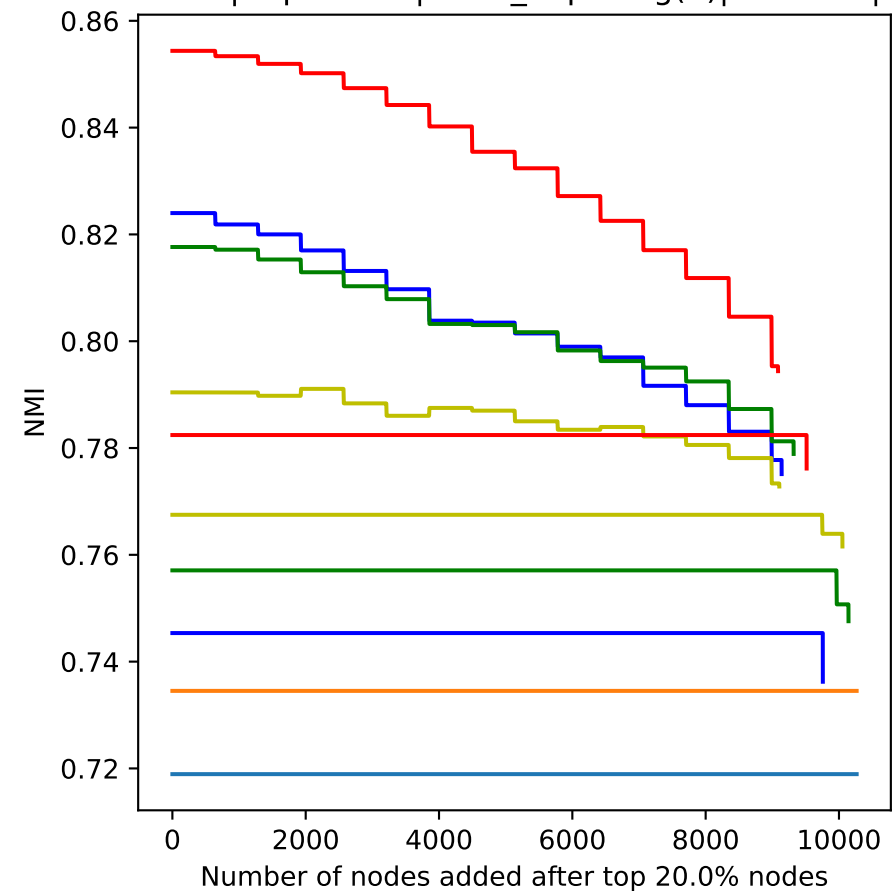
- | | |
|-----------------------------------|----------------------------------|
| ● FL 0.05 93.24% | ▲ FL 1 87.39% |
| ○ Lv+Vote+Lv FL 0.05 93.24% | △ Lv+Vote+Lv FL 1 87.39% |
| ● Louv_baseline 0.05 | ▲ Louv_baseline 1 |
| ● Leiden_baseline 0.05 | ▲ Leiden_baseline 1 |
| ● FL_ng 0.05 93.31% | ▲ FL_ng 1 83.02% |
| ○ Lv+Vote+Lv FL_ng 0.05 93.31% | △ Lv+Vote+Lv FL_ng 1 83.02% |
| ● FL_ng_pr 0.05 93.96% | ▲ FL_ng_pr 1 82.63% |
| ○ Lv+Vote+Lv FL_ng_pr 0.05 93.96% | △ Lv+Vote+Lv FL_ng_pr 1 82.63% |
| ● PageRank 0.05 92.51% | ▲ PageRank 1 85.34% |
| ○ Lv+Vote+Lv PageRank 0.05 92.51% | △ Lv+Vote+Lv PageRank 1 85.34% |
| ■ FL 0.25 91.23% | ● FL 1.5 83.63% |
| □ Lv+Vote+Lv FL 0.25 91.23% | ○ Lv+Vote+Lv FL 1.5 83.63% |
| ■ Louv_baseline 0.25 | ● Louv_baseline 1.5 |
| ■ Leiden_baseline 0.25 | ■ Leiden_baseline 1.5 |
| ■ FL_ng 0.25 92.63% | ■ FL_ng 1.5 81.81% |
| □ Lv+Vote+Lv FL_ng 0.25 92.63% | ○ Lv+Vote+Lv FL_ng 1.5 81.81% |
| ■ FL_ng_pr 0.25 90.95% | ■ FL_ng_pr 1.5 78.31% |
| □ Lv+Vote+Lv FL_ng_pr 0.25 90.95% | ○ Lv+Vote+Lv FL_ng_pr 1.5 78.31% |
| ■ PageRank 0.25 90.8% | ■ PageRank 1.5 83.46% |
| □ Lv+Vote+Lv PageRank 0.25 90.8% | ○ Lv+Vote+Lv PageRank 1.5 83.46% |
| ★ FL 0.5 88.87% | ◆ FL 5 74.64% |
| ☆ Lv+Vote+Lv FL 0.5 88.87% | ◇ Lv+Vote+Lv FL 5 74.64% |
| ★ Louv_baseline 0.5 | ◆ Louv_baseline 5 |
| ★ Leiden_baseline 0.5 | ◆ Leiden_baseline 5 |
| ★ FL_ng 0.5 91.05% | ◆ FL_ng 5 72.51% |
| ☆ Lv+Vote+Lv FL_ng 0.5 91.05% | ◇ Lv+Vote+Lv FL_ng 5 72.51% |
| ★ FL_ng_pr 0.5 89.95% | ◆ FL_ng_pr 5 68.36% |
| ☆ Lv+Vote+Lv FL_ng_pr 0.5 89.95% | ◇ Lv+Vote+Lv FL_ng_pr 5 68.36% |
| ★ PageRank 0.5 89.95% | ◆ PageRank 5 68.06% |
| ☆ Lv+Vote+Lv PageRank 0.5 89.95% | ◇ Lv+Vote+Lv PageRank 5 68.06% |

AMB | top 20.0%| Num_hops: log(n)|res: 0.05|



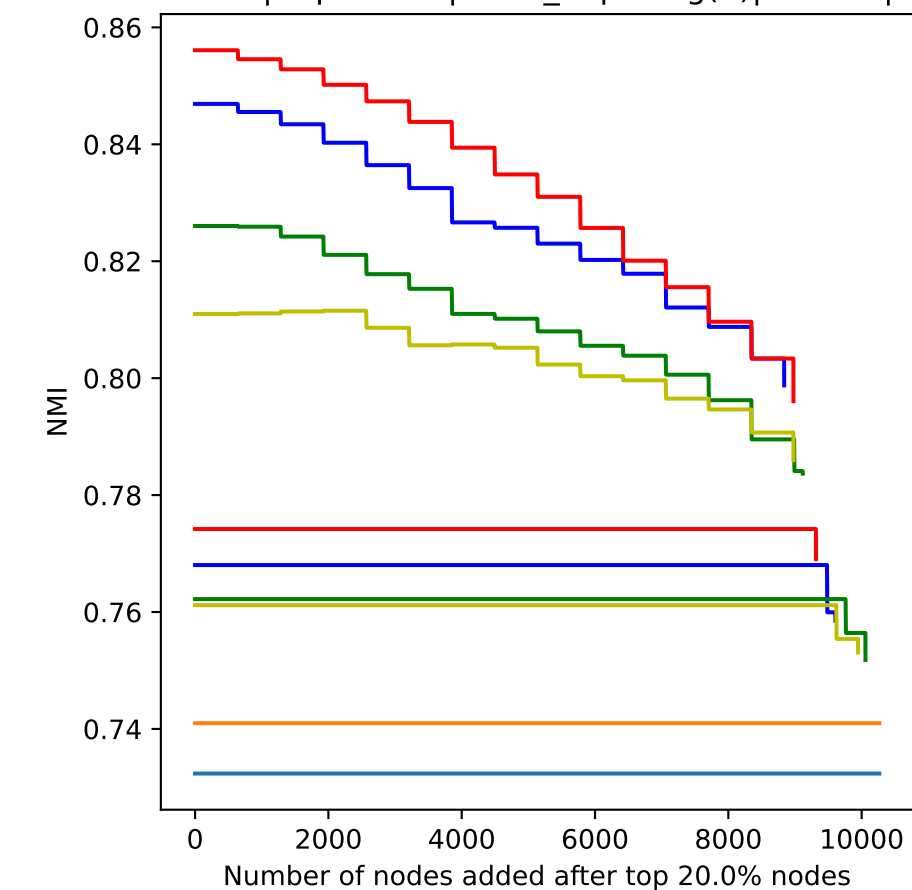
FL|93.24% nodes
 FLx2|96.89% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|93.31% nodes
 FL_ngx2|99.44% nodes
 FL_ng_pr|93.96% nodes
 FL_ng_prx2|99.31% nodes
 PageRank|92.51% nodes
 PageRankx2|95.82% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 0.25|



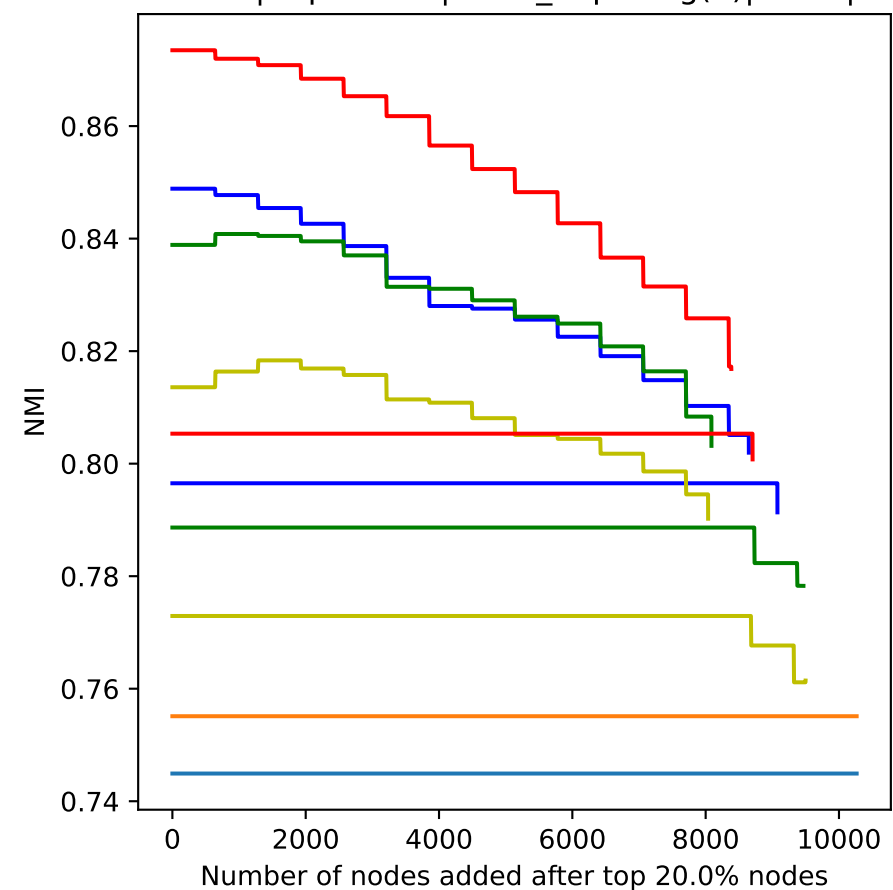
FL|91.23% nodes
 FLx2|96.03% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|92.63% nodes
 FL_ngx2|99.03% nodes
 FL_ng_pr|90.95% nodes
 FL_ng_prx2|98.32% nodes
 PageRank|90.8% nodes
 PageRankx2|94.14% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 0.5|



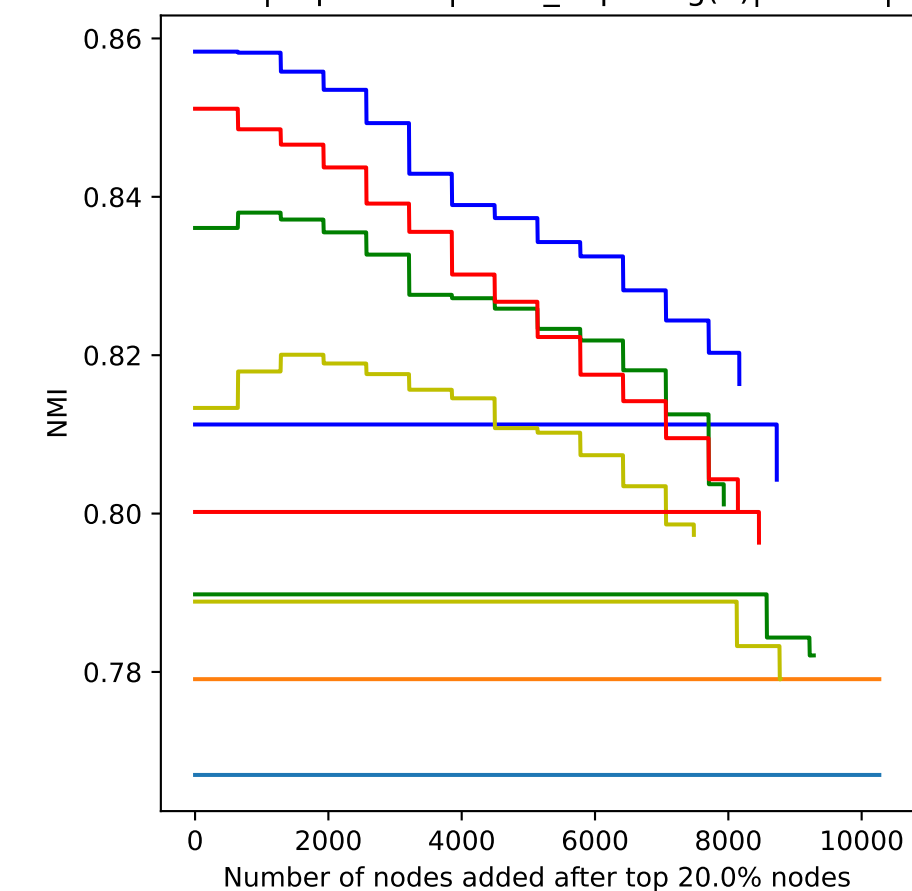
FL|88.87% nodes
 FLx2|94.86% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|91.05% nodes
 FL_ngx2|98.36% nodes
 FL_ng_pr|89.95% nodes
 FL_ng_prx2|97.5% nodes
 PageRank|89.95% nodes
 PageRankx2|92.58% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 1|



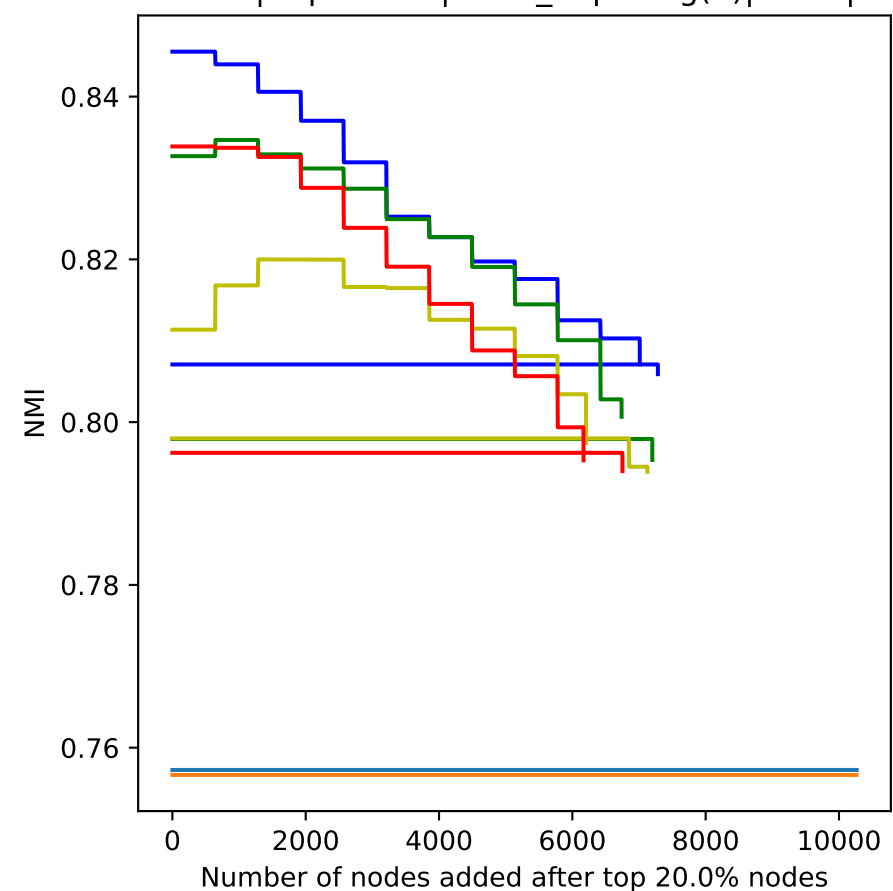
FL|87.39% nodes
 FLx2|90.73% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|83.02% nodes
 FL_ngx2|93.77% nodes
 FL_ng_pr|82.63% nodes
 FL_ng_prx2|94.01% nodes
 PageRank|85.34% nodes
 PageRankx2|87.82% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 1.5|



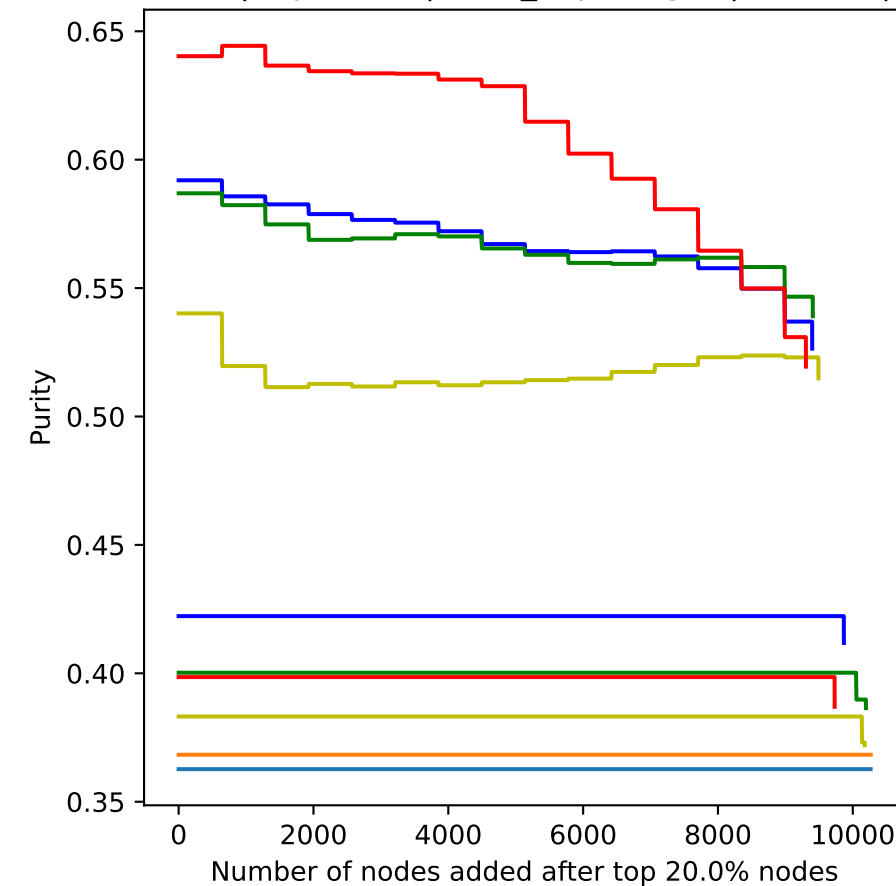
FL|83.63% nodes
 FLx2|88.0% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|81.81% nodes
 FL_ngx2|92.32% nodes
 FL_ng_pr|78.31% nodes
 FL_ng_prx2|88.44% nodes
 PageRank|83.46% nodes
 PageRankx2|85.92% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 5|



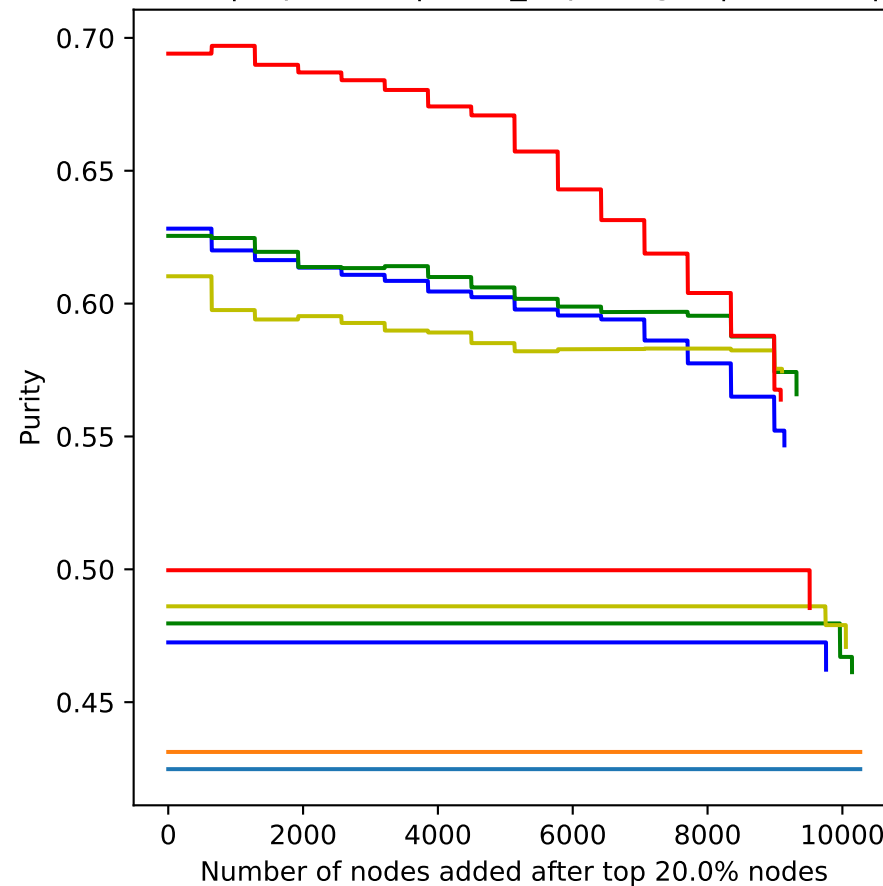
FL|74.64% nodes
 FLx2|76.75% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|72.51% nodes
 FL_ngx2|76.1% nodes
 FL_ng_pr|68.36% nodes
 FL_ng_prx2|75.52% nodes
 PageRank|68.06% nodes
 PageRankx2|72.61% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 0.05|



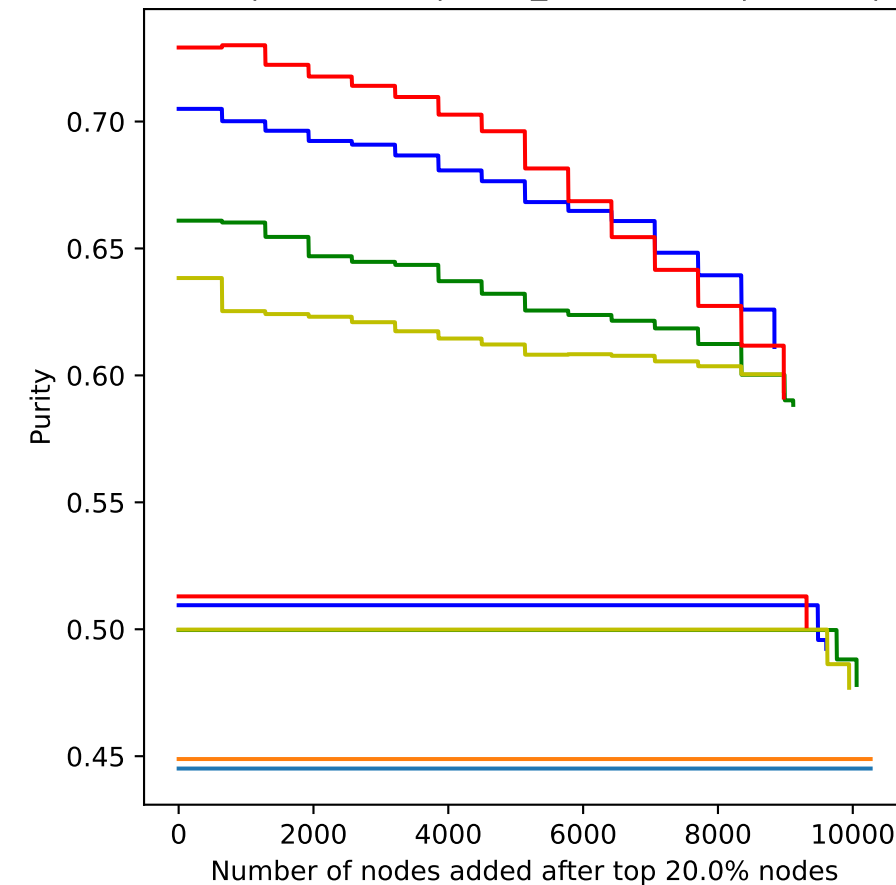
FL|93.24% nodes
 FLx2|96.89% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|93.31% nodes
 FL_ngx2|99.44% nodes
 FL_ng_pr|93.96% nodes
 FL_ng_prx2|99.31% nodes
 PageRank|92.51% nodes
 PageRankx2|95.82% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 0.25|



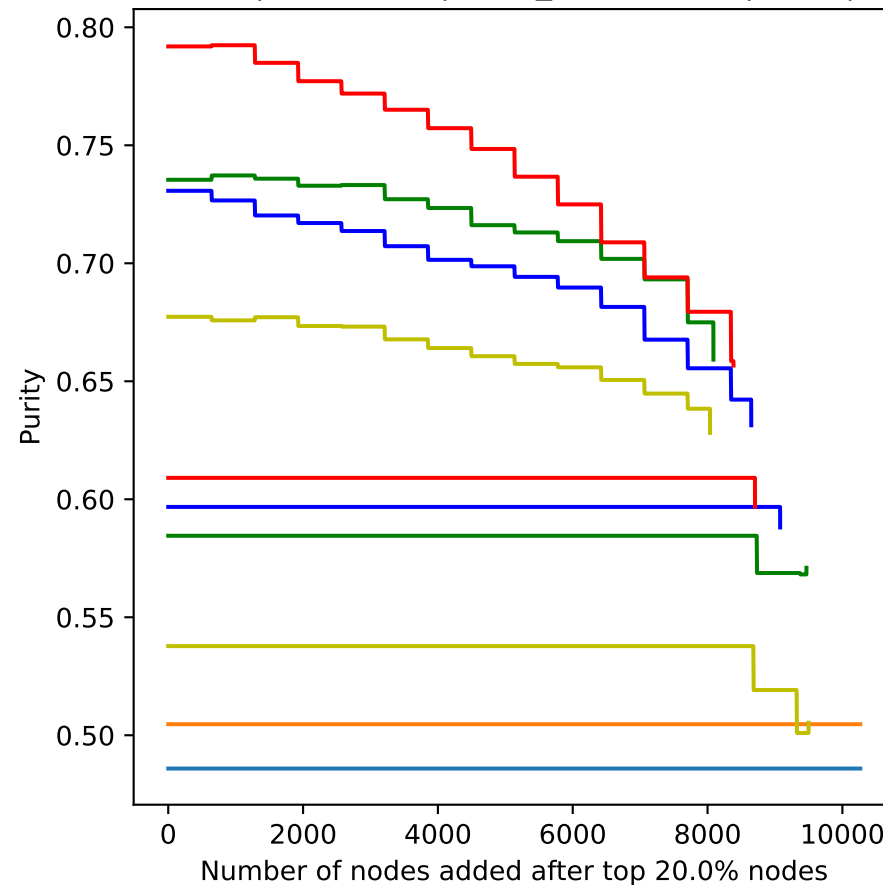
FL|91.23% nodes
 FLx2|96.03% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|92.63% nodes
 FL_ngx2|99.03% nodes
 FL_ng_pr|90.95% nodes
 FL_ng_prx2|98.32% nodes
 PageRank|90.8% nodes
 PageRankx2|94.14% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 0.5|



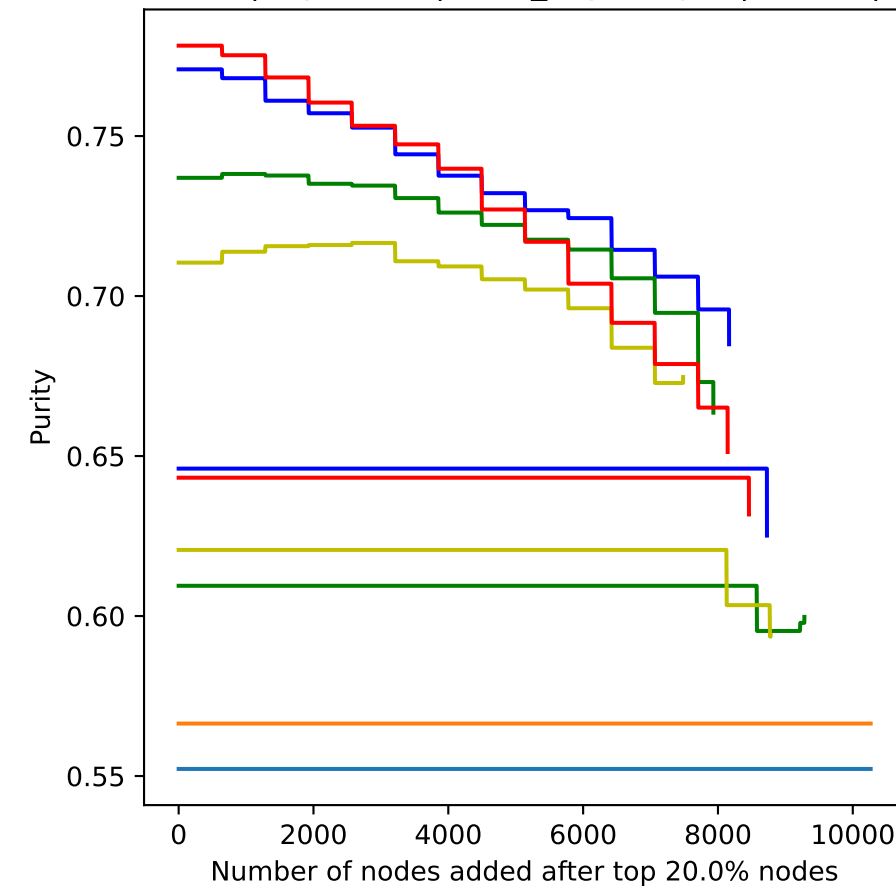
FL|88.87% nodes
 FLx2|94.86% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|91.05% nodes
 FL_ngx2|98.36% nodes
 FL_ng_pr|89.95% nodes
 FL_ng_prx2|97.5% nodes
 PageRank|89.95% nodes
 PageRankx2|92.58% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 1|



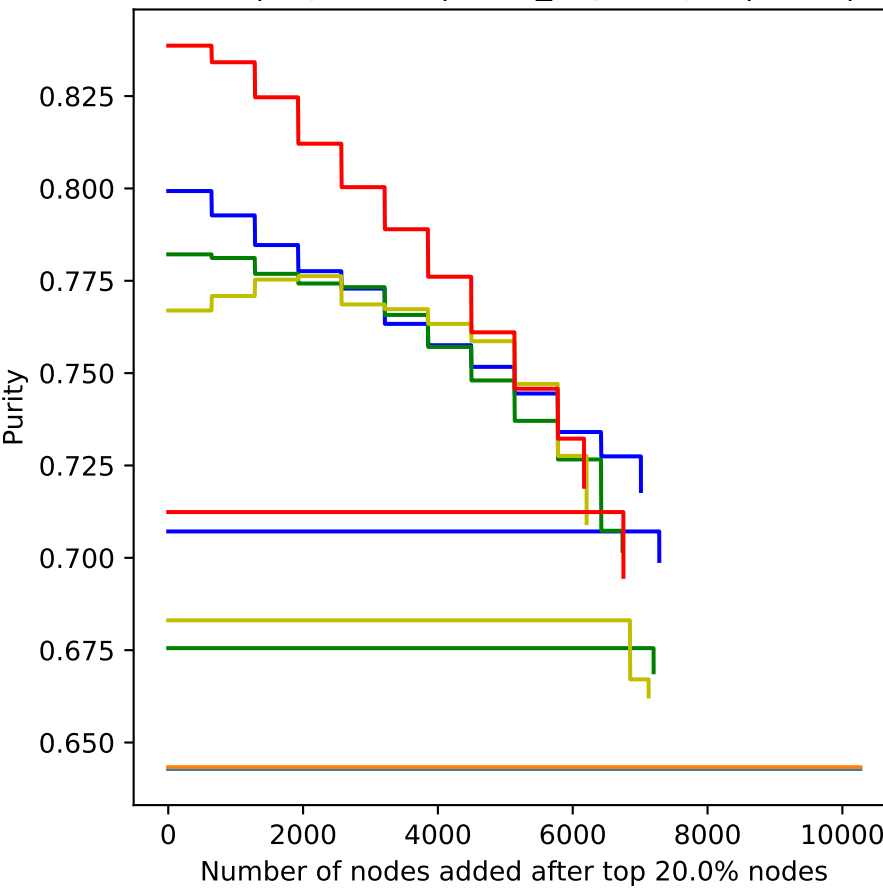
FL|87.39% nodes
 FLx2|90.73% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|83.02% nodes
 FL_ngx2|93.77% nodes
 FL_ng_pr|82.63% nodes
 FL_ng_prx2|94.01% nodes
 PageRank|85.34% nodes
 PageRankx2|87.82% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 1.5|



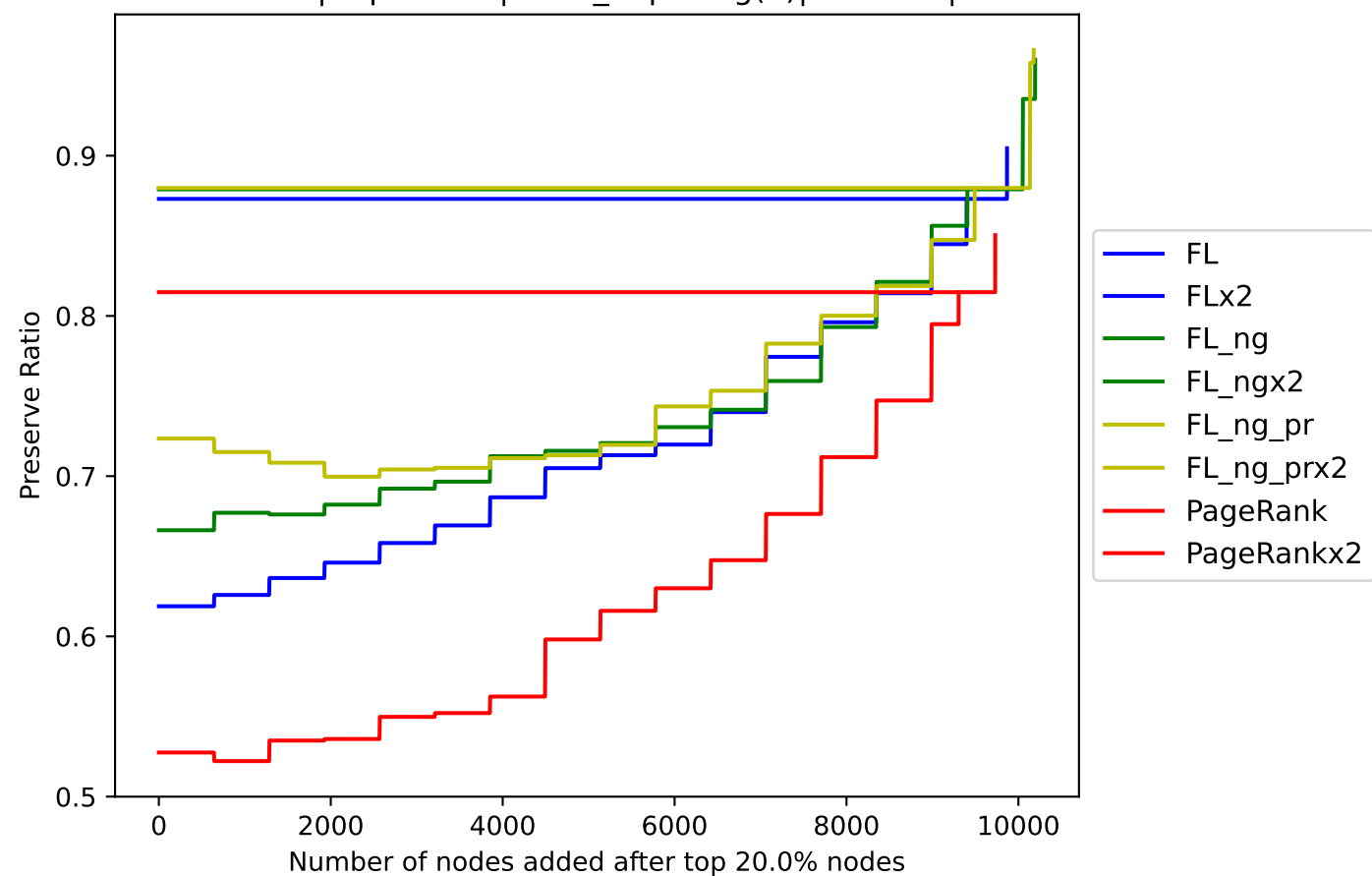
FL|83.63% nodes
 FLx2|88.0% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|81.81% nodes
 FL_ngx2|92.32% nodes
 FL_ng_pr|78.31% nodes
 FL_ng_prx2|88.44% nodes
 PageRank|83.46% nodes
 PageRankx2|85.92% nodes

AMB | top 20.0%| Num_hops: log(n)|res: 5|

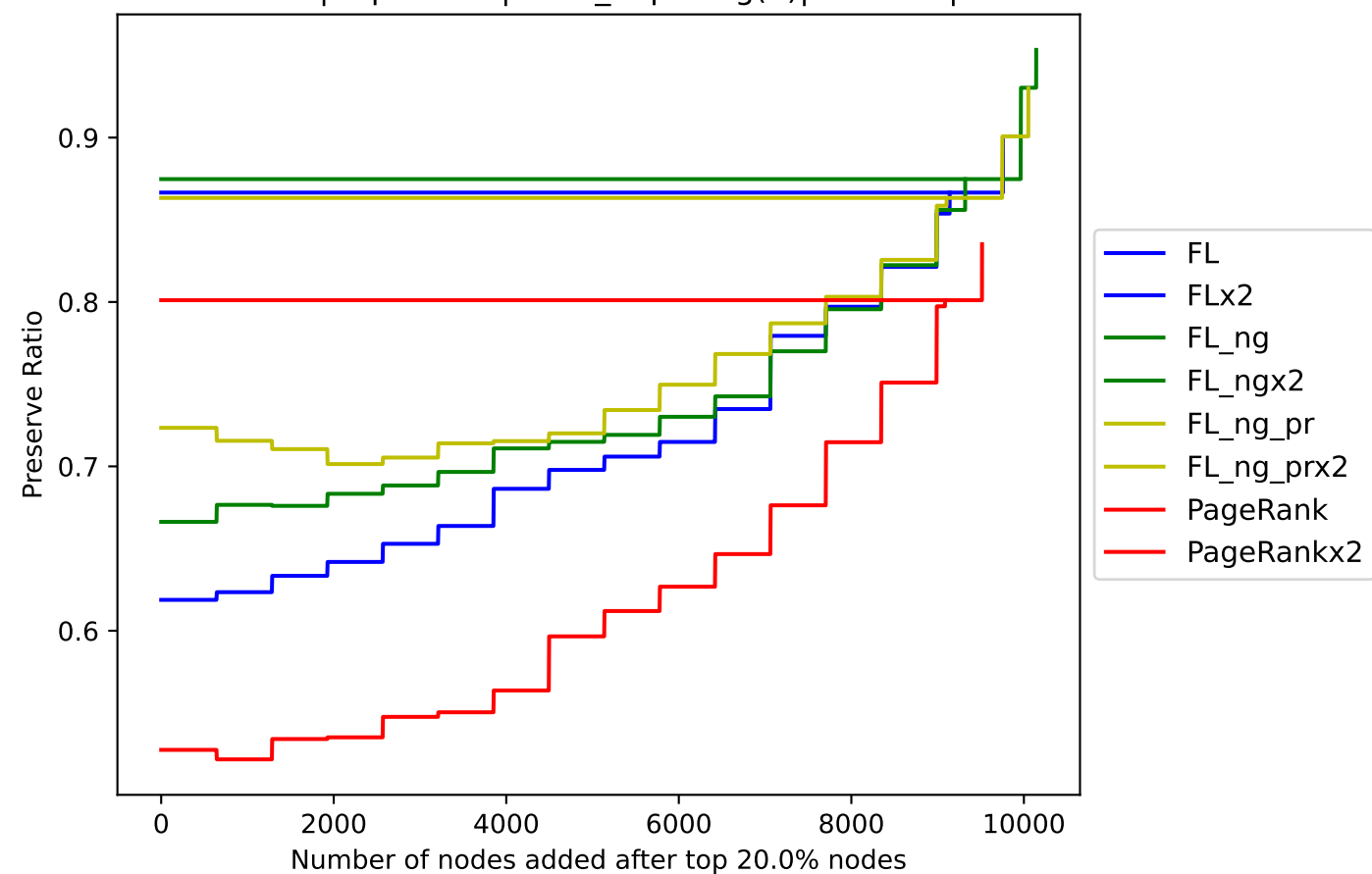


FL|74.64% nodes
 FLx2|76.75% nodes
 Louv_baseline
 Leiden_baseline
 FL_ng|72.51% nodes
 FL_ngx2|76.1% nodes
 FL_ng_pr|68.36% nodes
 FL_ng_prx2|75.52% nodes
 PageRank|68.06% nodes
 PageRankx2|72.61% nodes

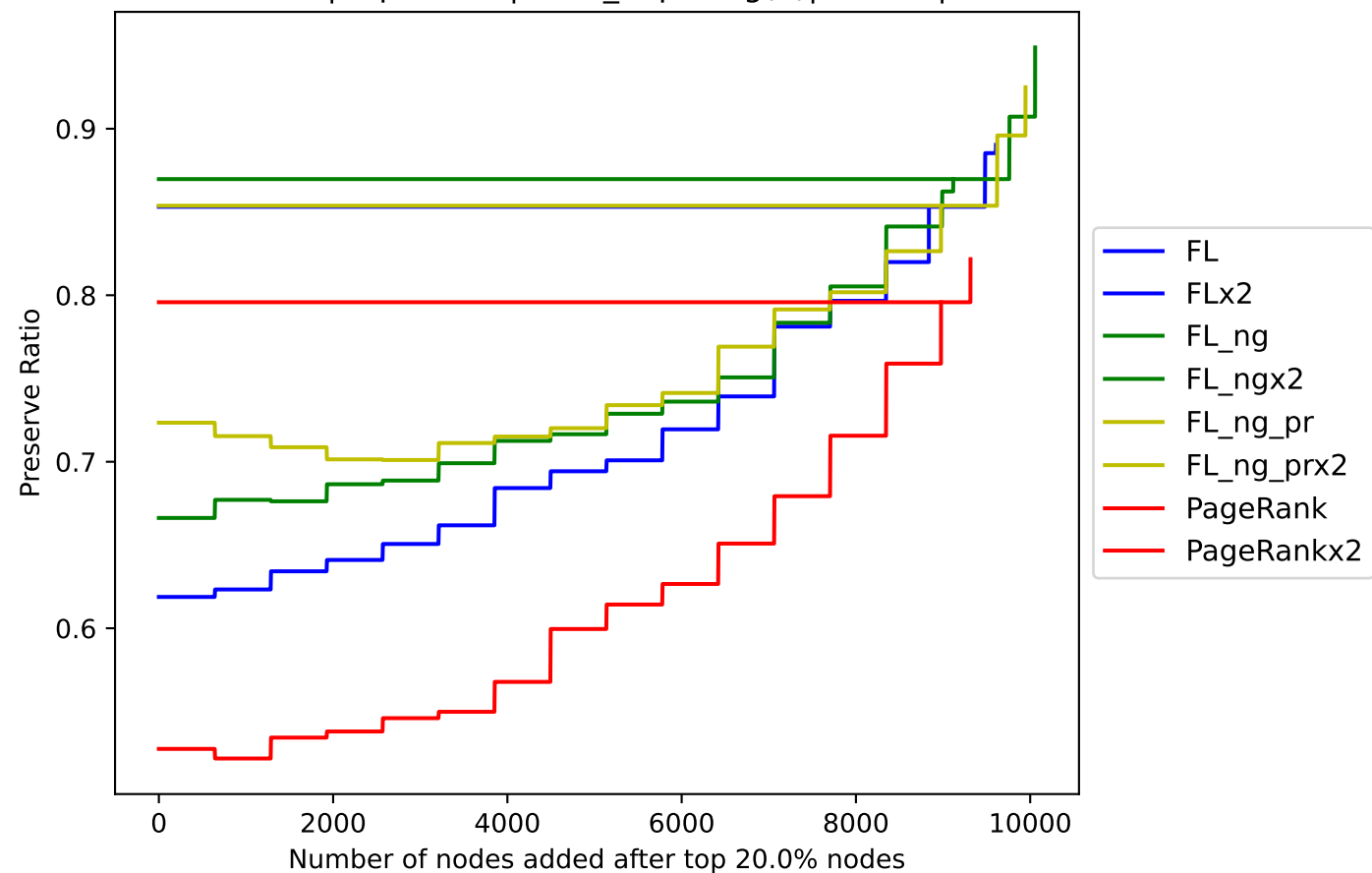
AMB | top 20.0%| Num_hops: log(n)|res: 0.05|



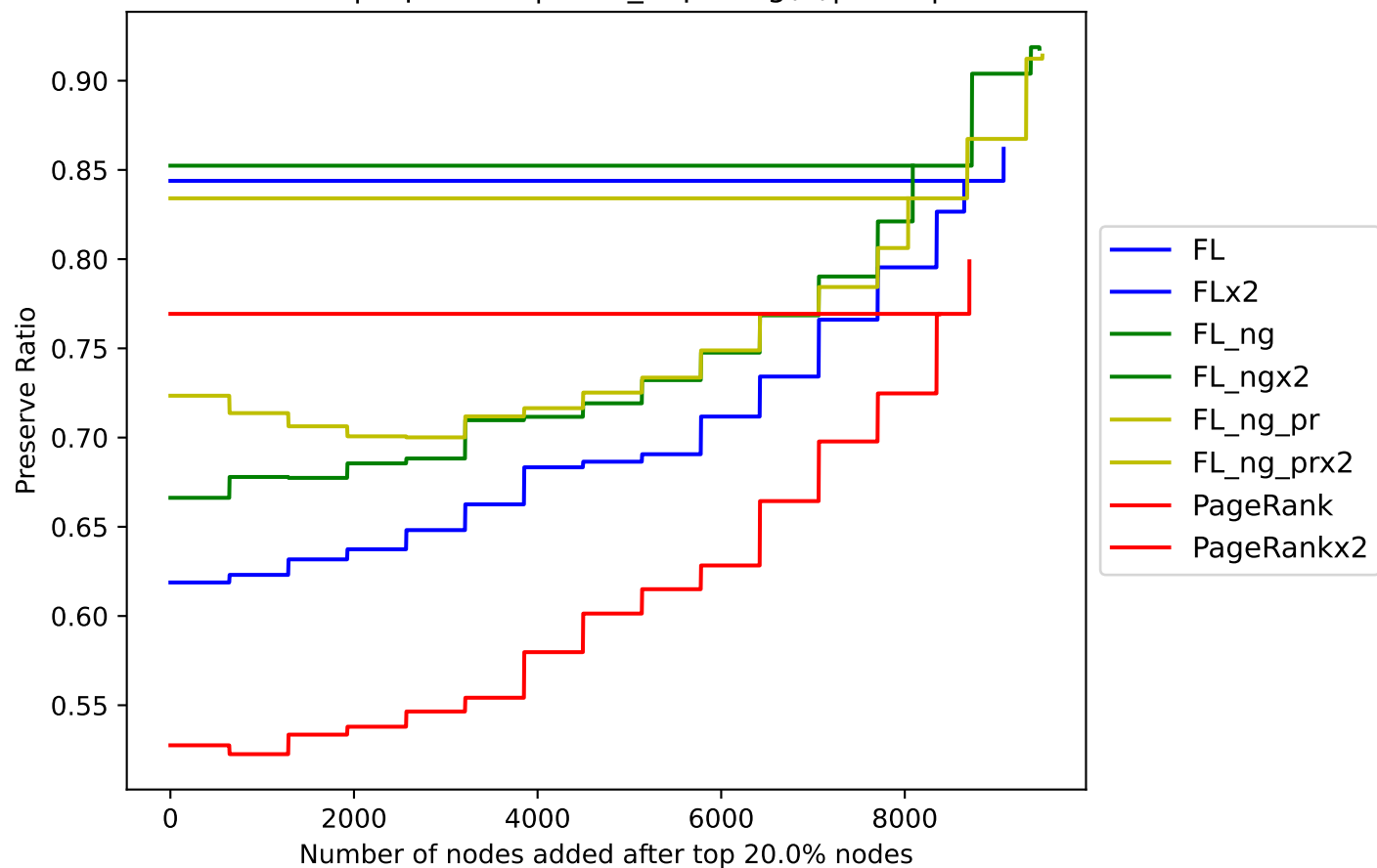
AMB | top 20.0%| Num_hops: log(n)|res: 0.25|



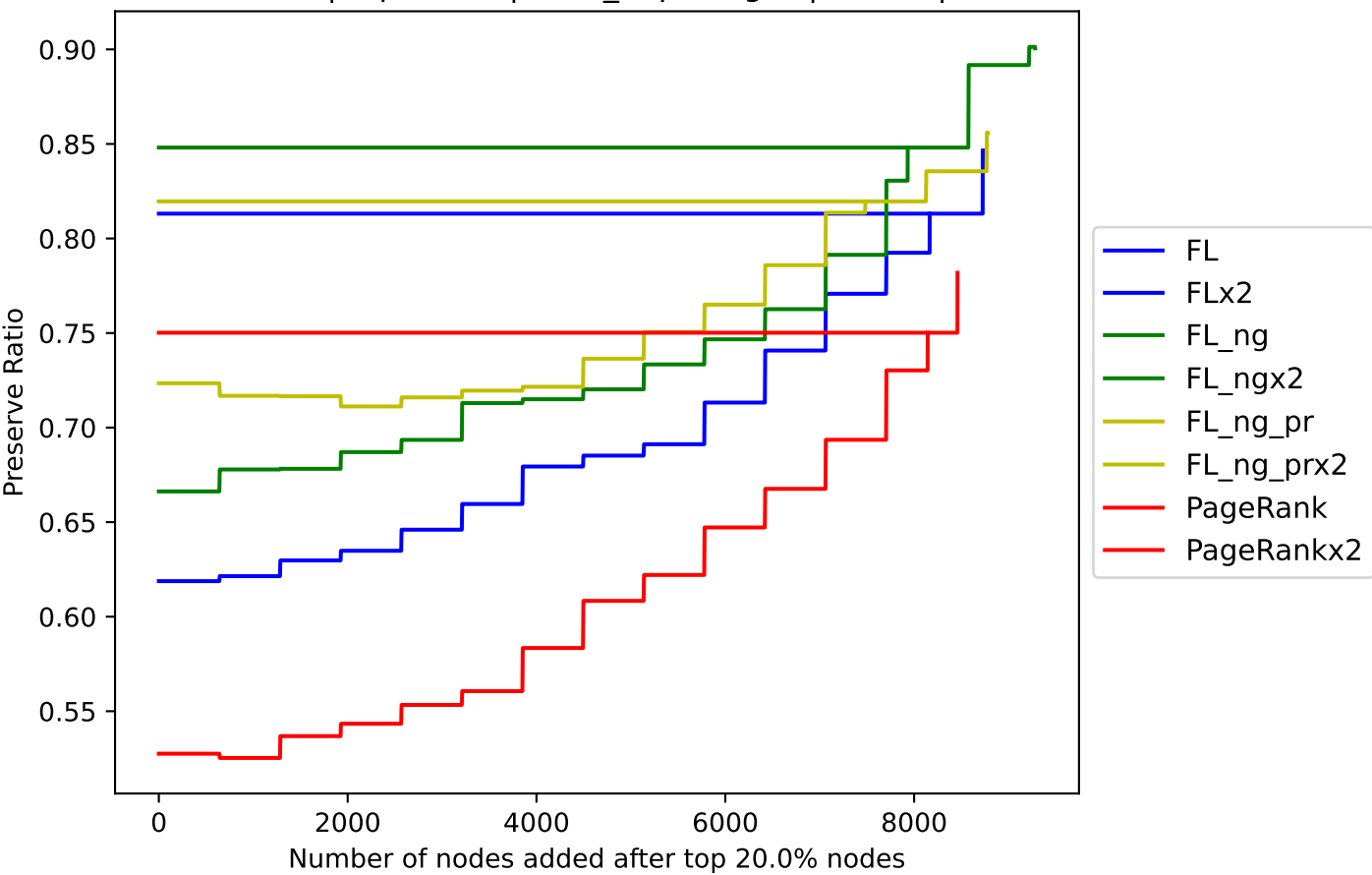
AMB | top 20.0%| Num_hops: log(n)|res: 0.5|



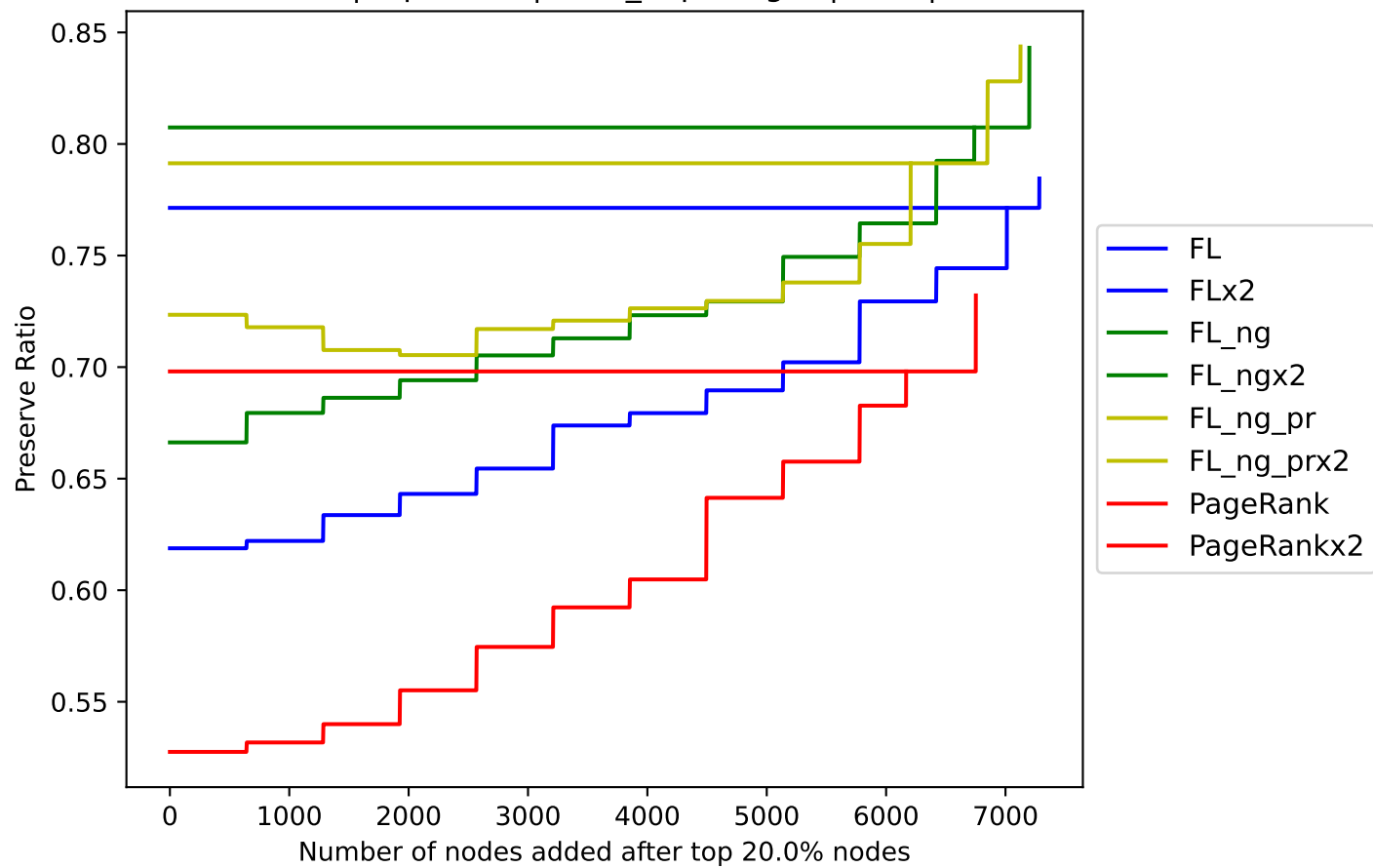
AMB | top 20.0%| Num_hops: log(n)|res: 1|



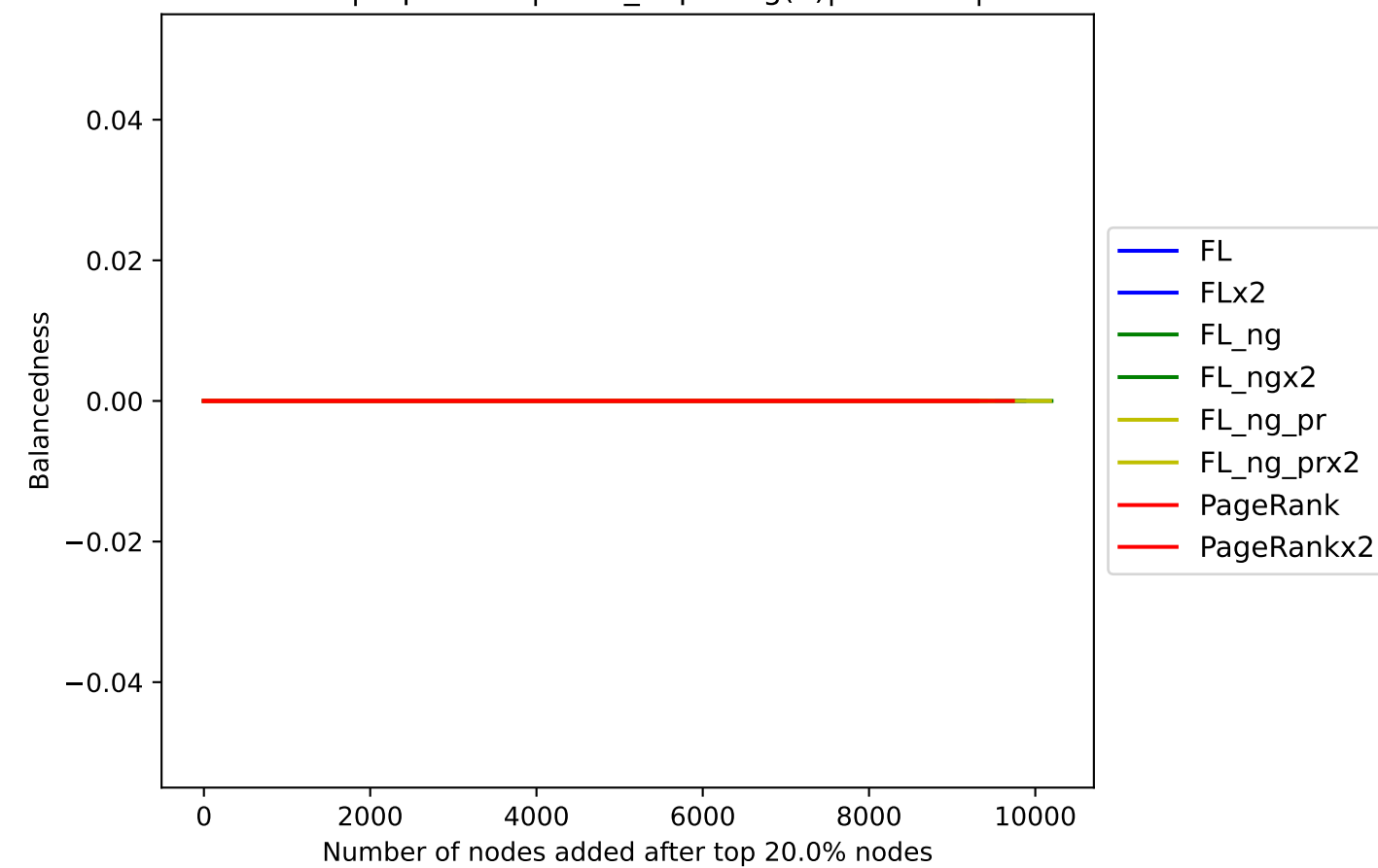
AMB | top 20.0%| Num_hops: log(n)|res: 1.5|



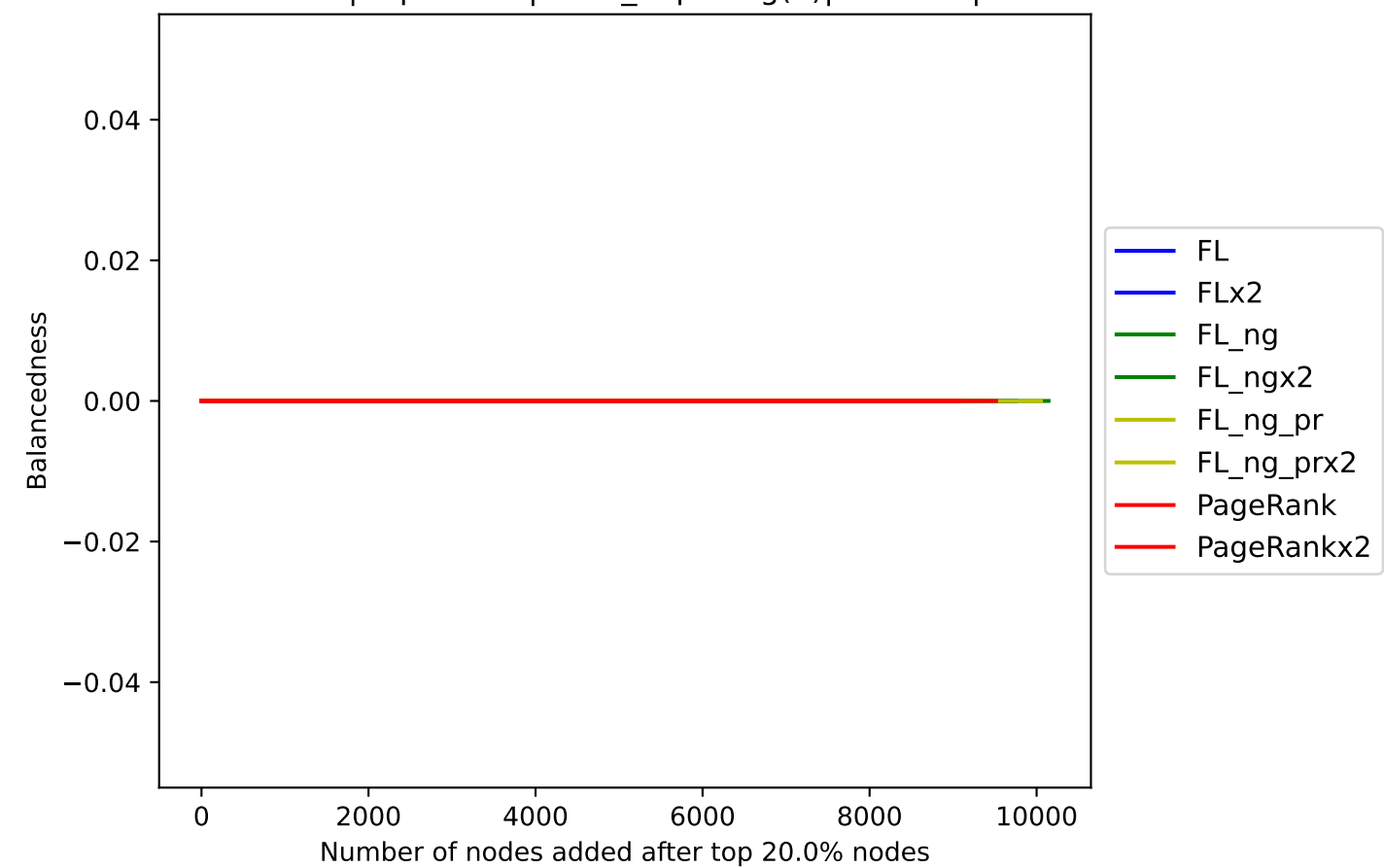
AMB | top 20.0%| Num_hops: log(n)|res: 5|



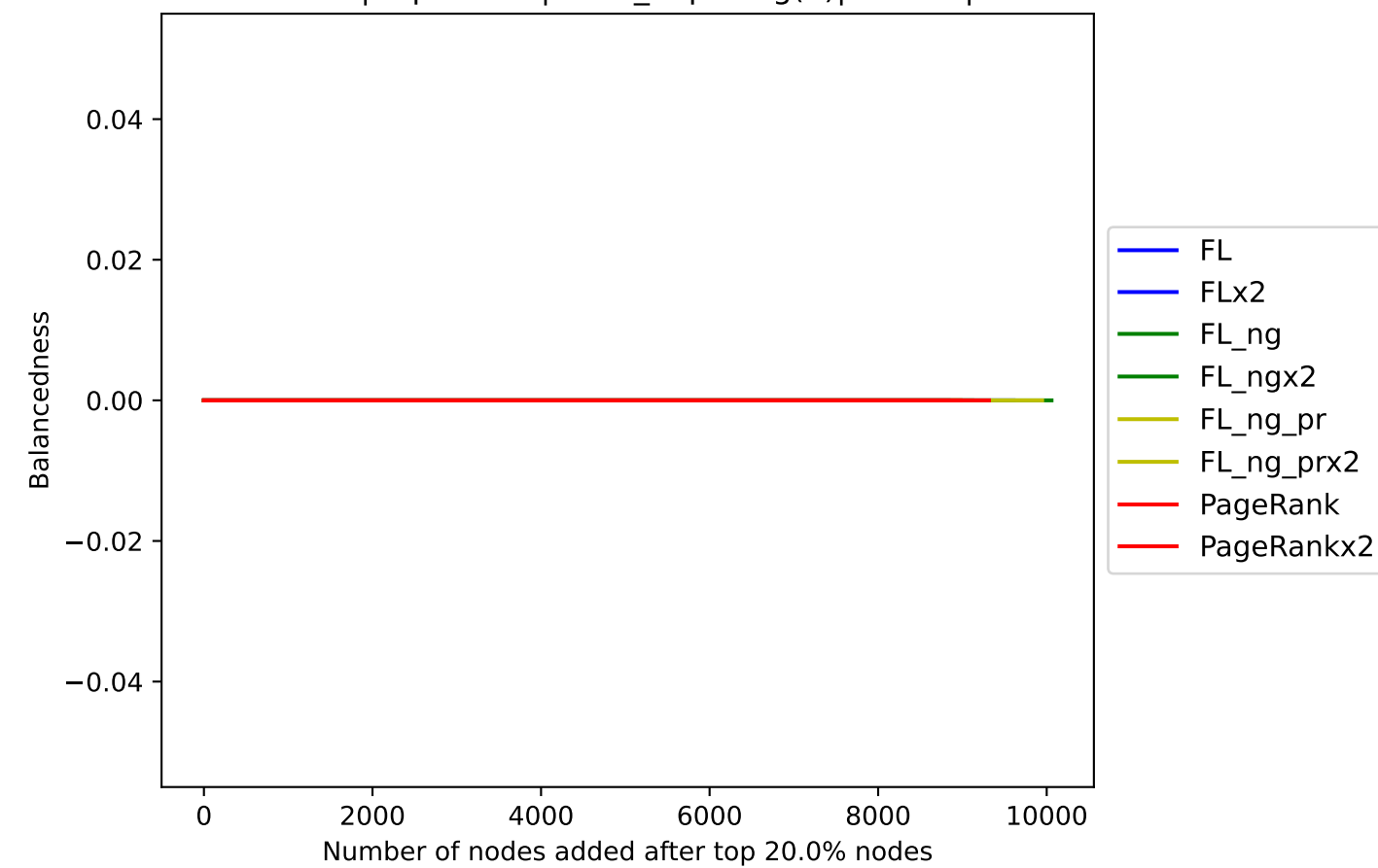
AMB | top 20.0%| Num_hops: log(n)|res: 0.05|



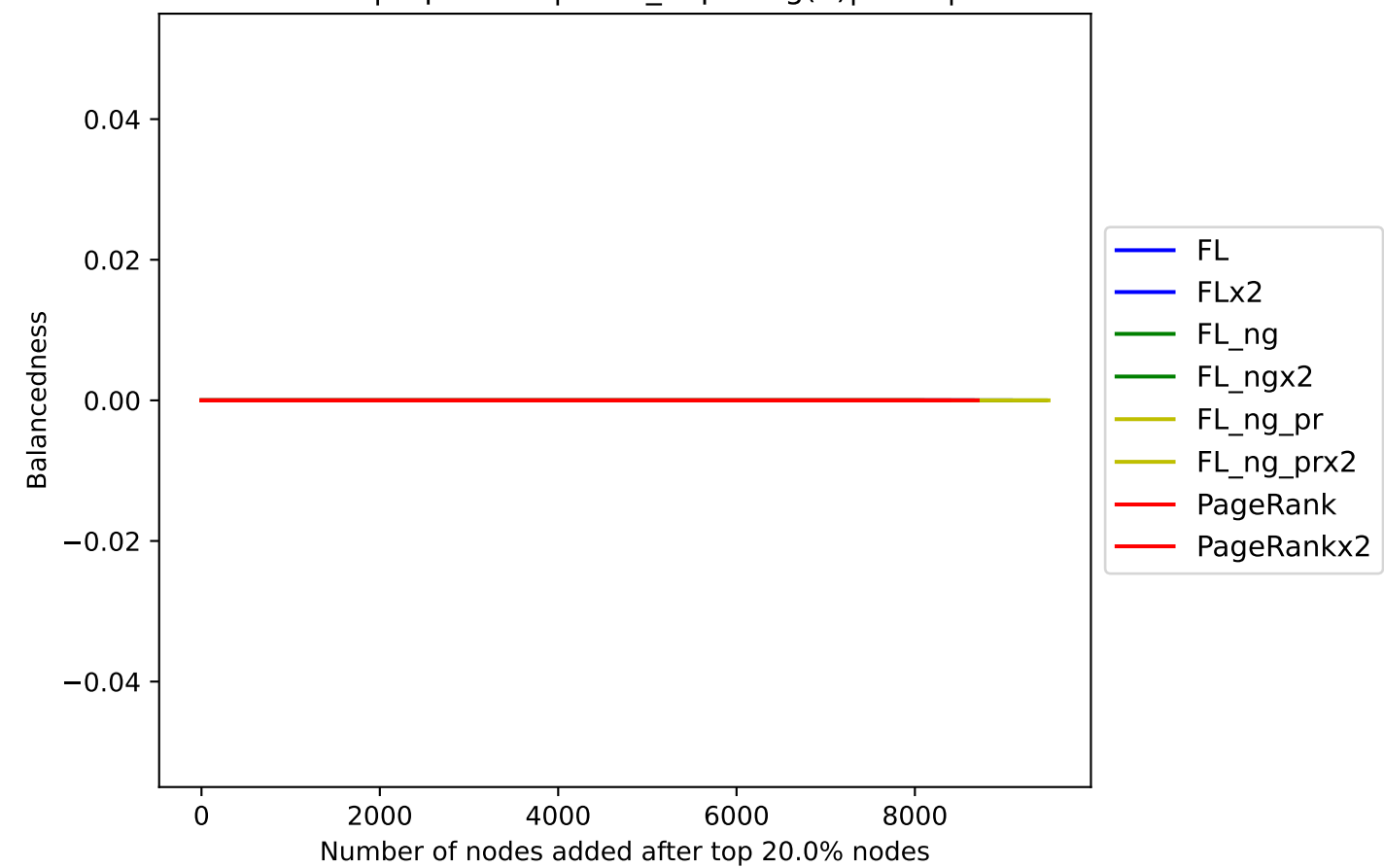
AMB | top 20.0%| Num_hops: log(n)|res: 0.25|



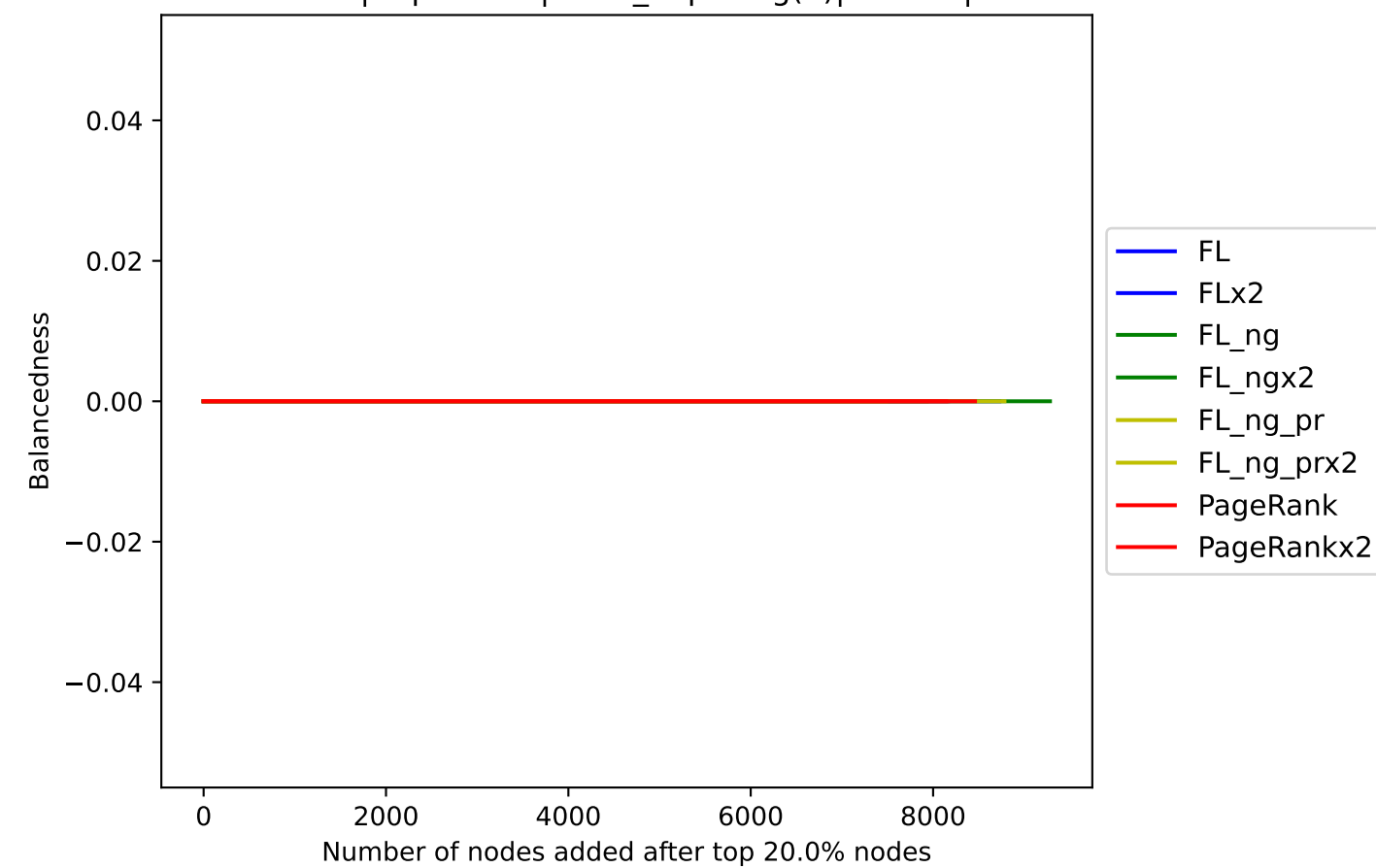
AMB | top 20.0%| Num_hops: log(n)|res: 0.5|



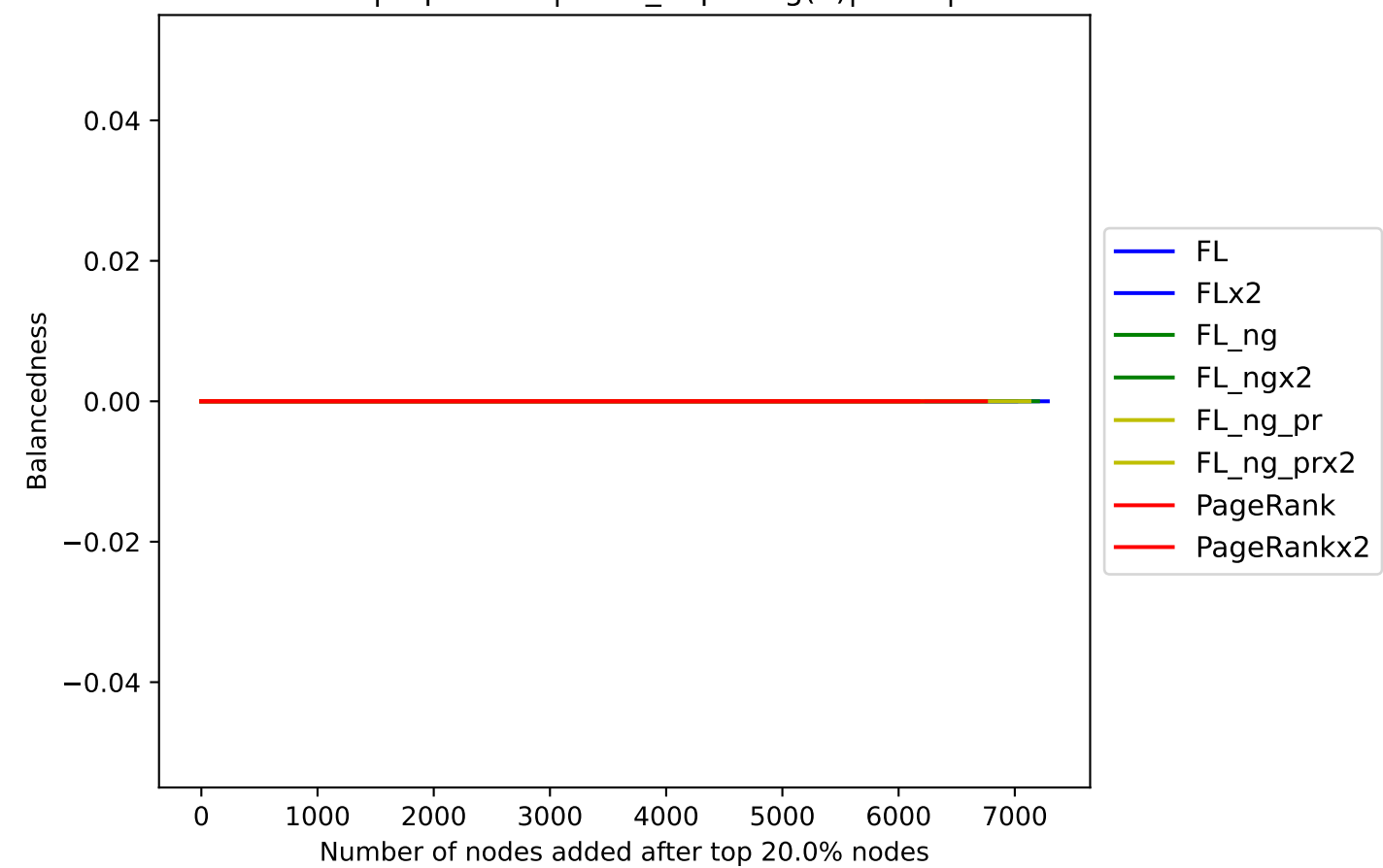
AMB | top 20.0%| Num_hops: log(n)|res: 1|



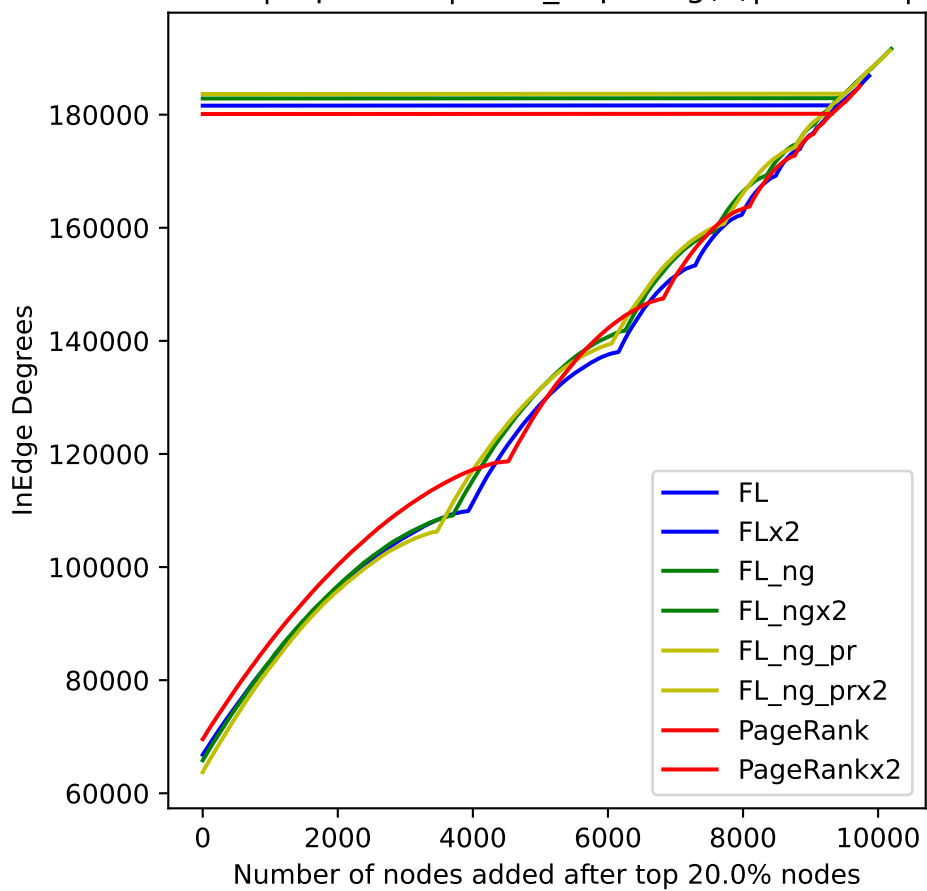
AMB | top 20.0%| Num_hops: log(n)|res: 1.5|



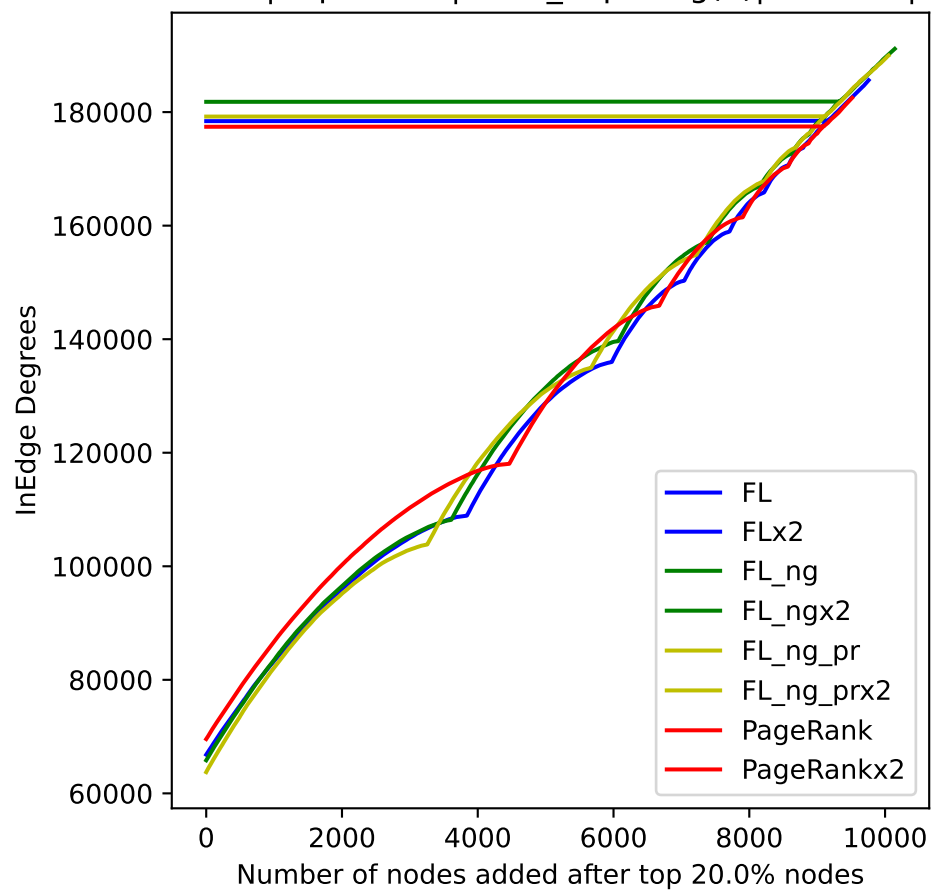
AMB | top 20.0%| Num_hops: log(n)|res: 5|



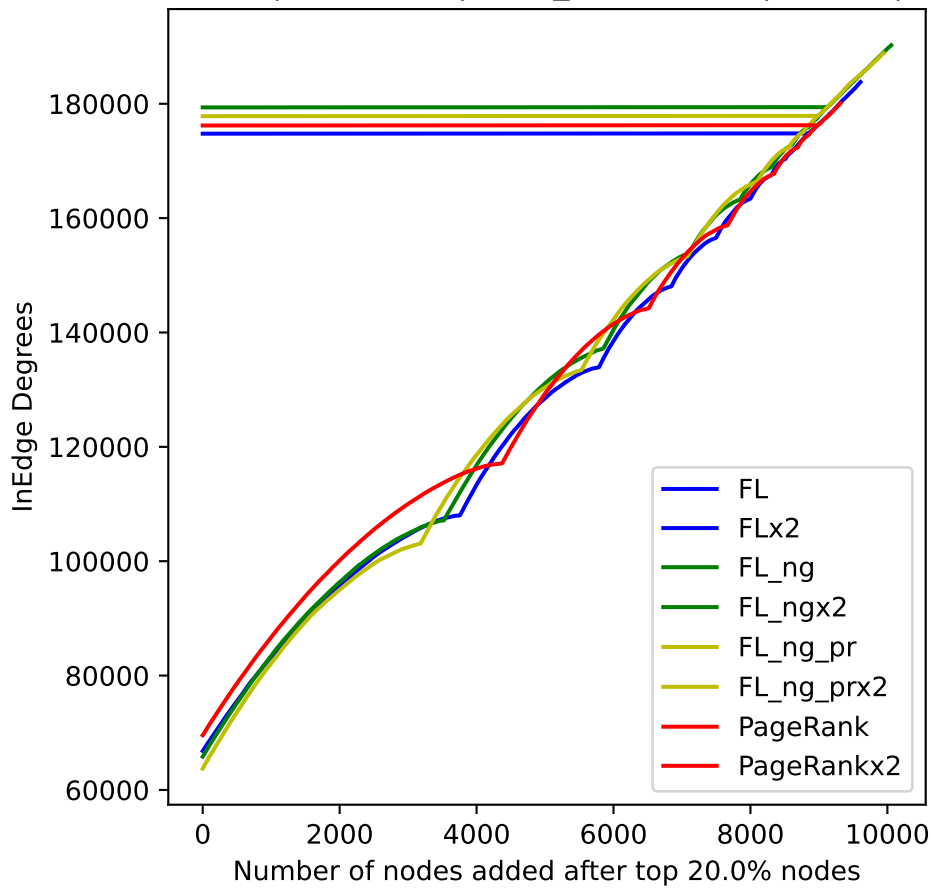
AMB | top 20.0%| Num_hops: log(n)|res: 0.05|



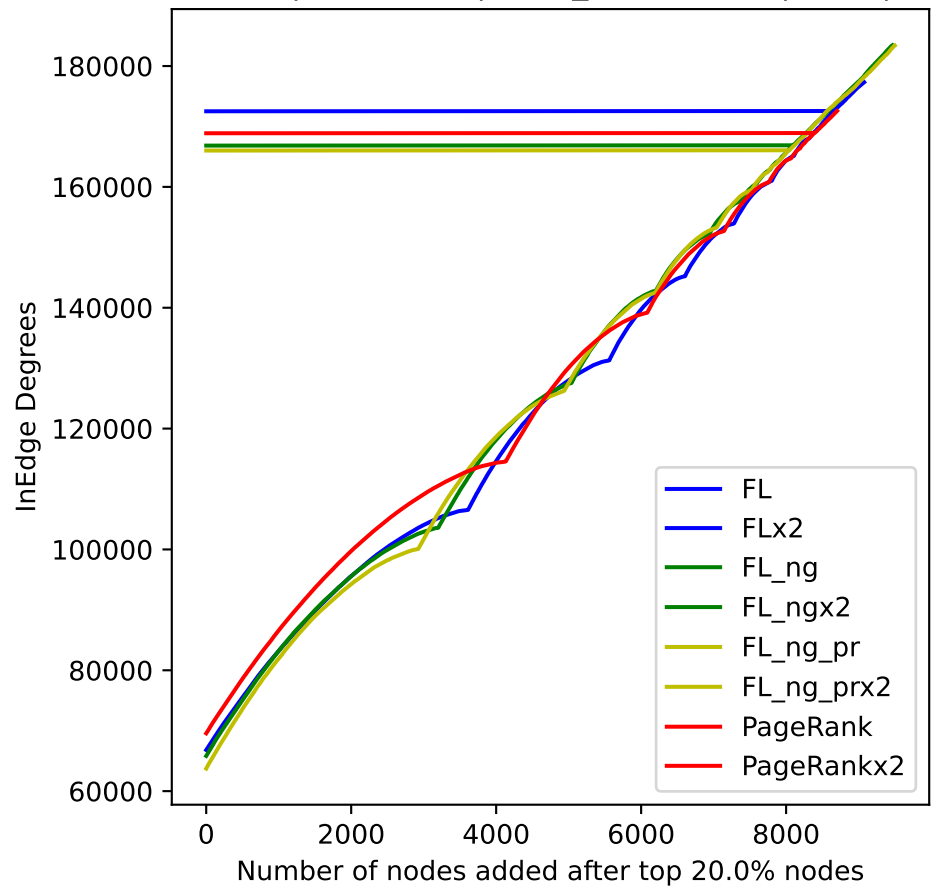
AMB | top 20.0%| Num_hops: log(n)|res: 0.25|



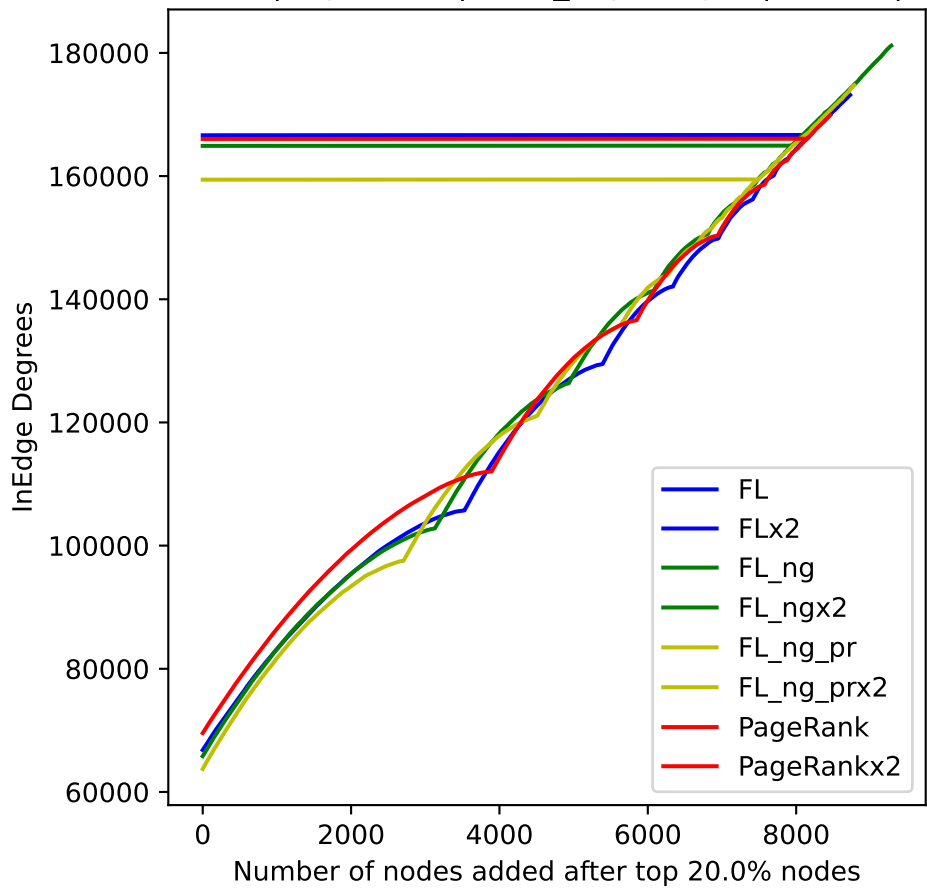
AMB | top 20.0%| Num_hops: log(n)|res: 0.5|



AMB | top 20.0%| Num_hops: log(n)|res: 1|



AMB | top 20.0%| Num_hops: log(n)|res: 1.5|



AMB | top 20.0%| Num_hops: log(n)|res: 5|

