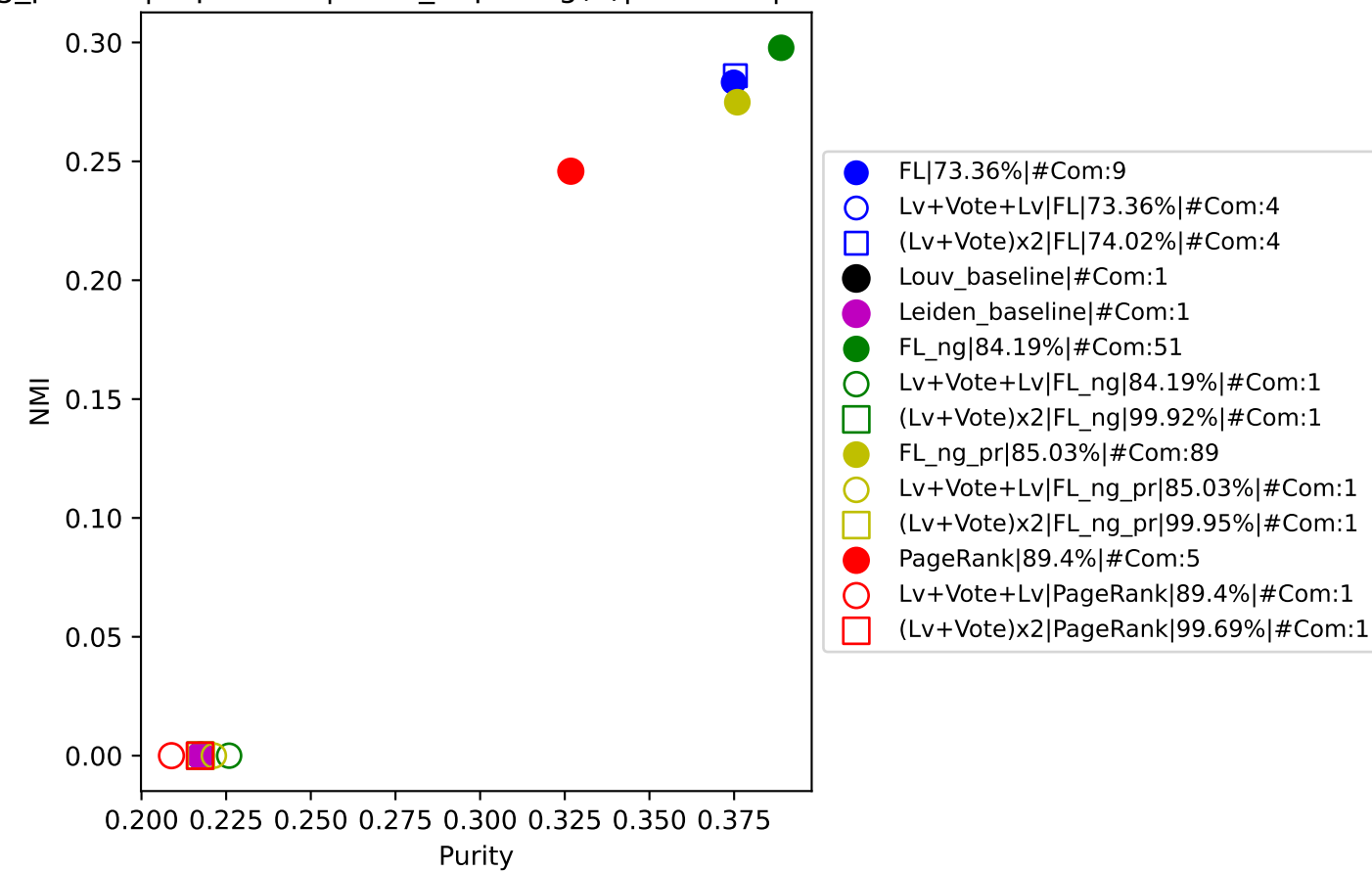
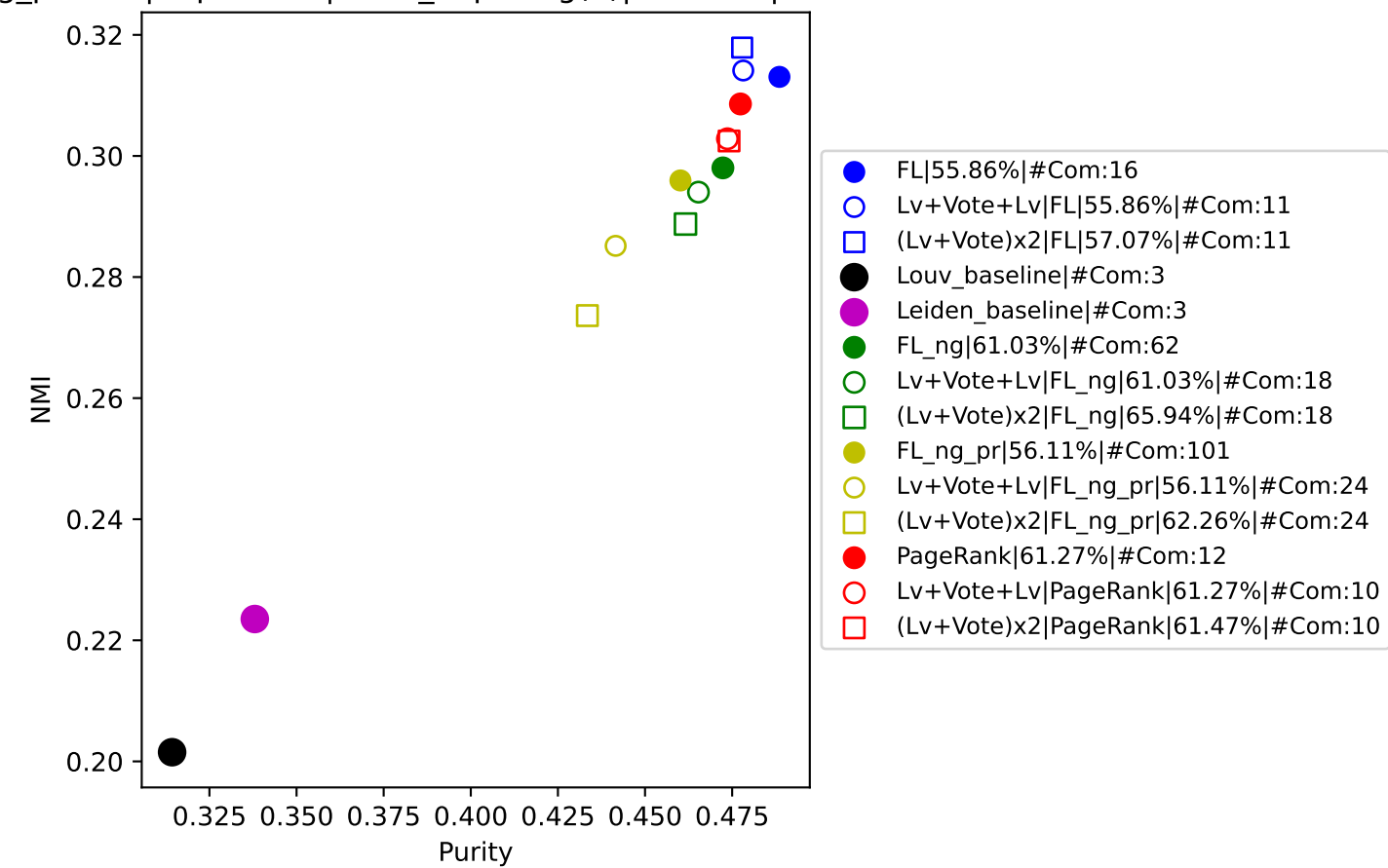


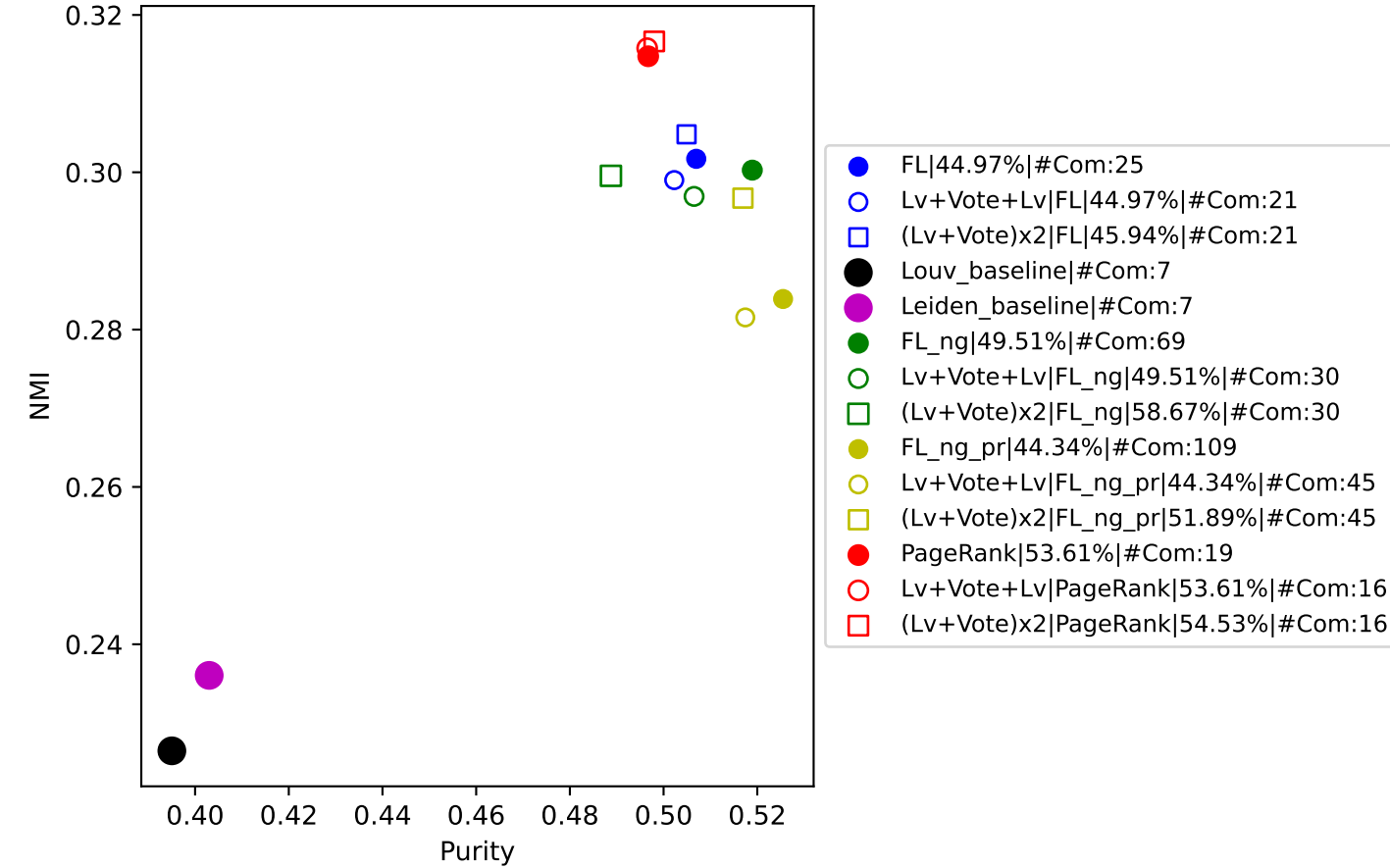
ig_patent | top 20.0%| Num_hops: log(n)|res: 0.05|#OfComm: 9



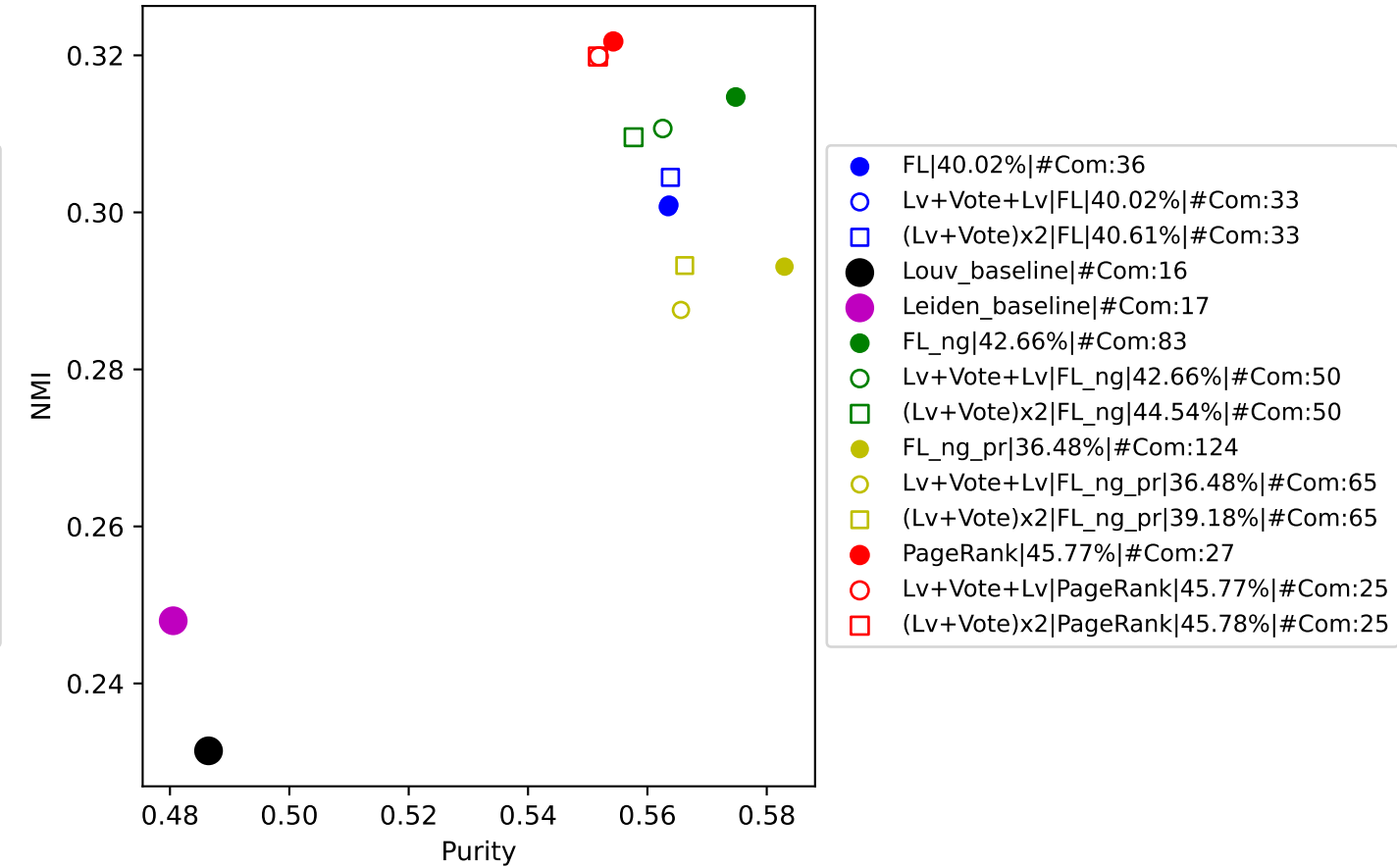
big_patent | top 20.0%| Num_hops: log(n)|res: 0.25|#OfComm: 9



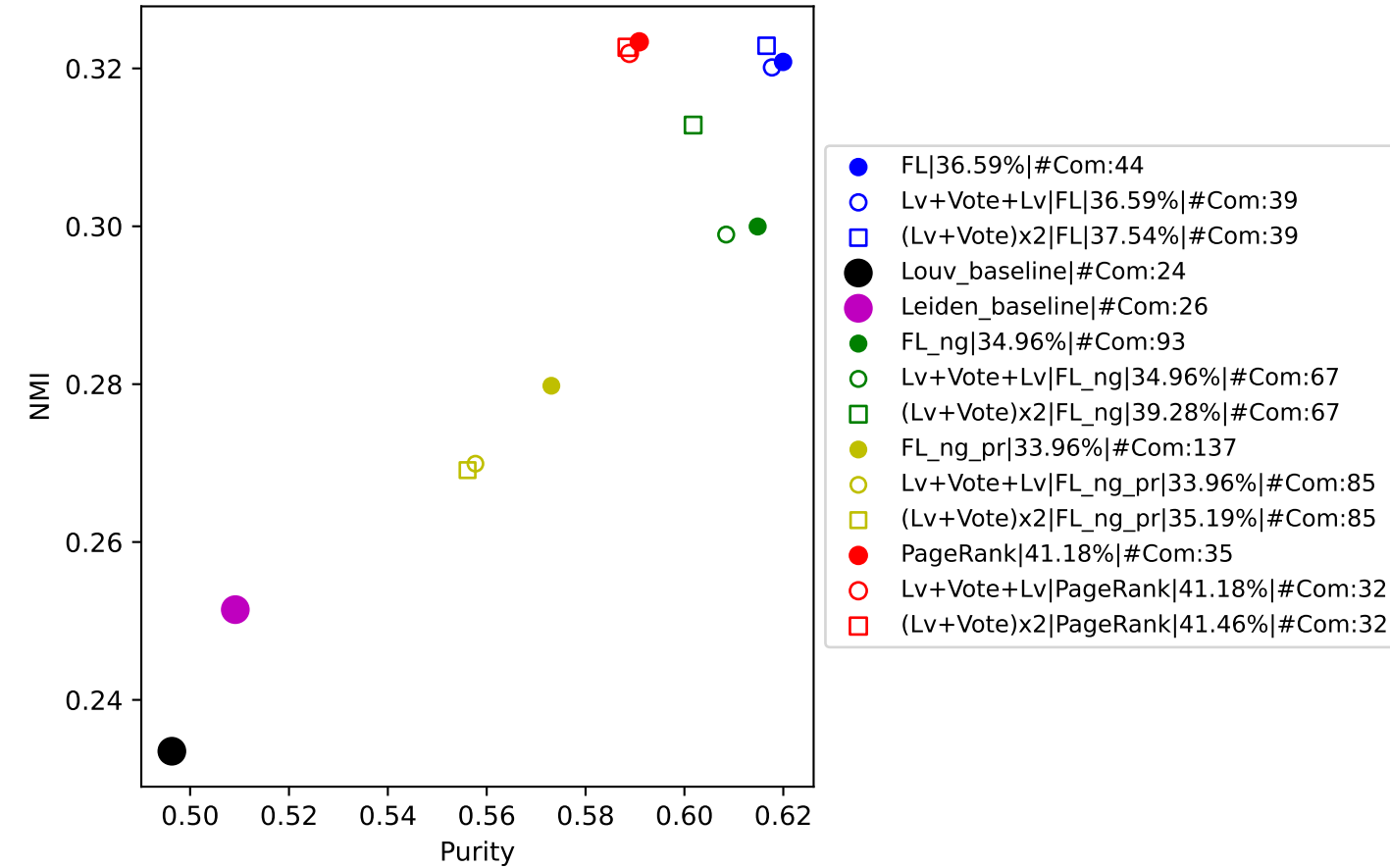
ig_patent | top 20.0%| Num_hops: log(n)|res: 0.5|#OfComm: 9



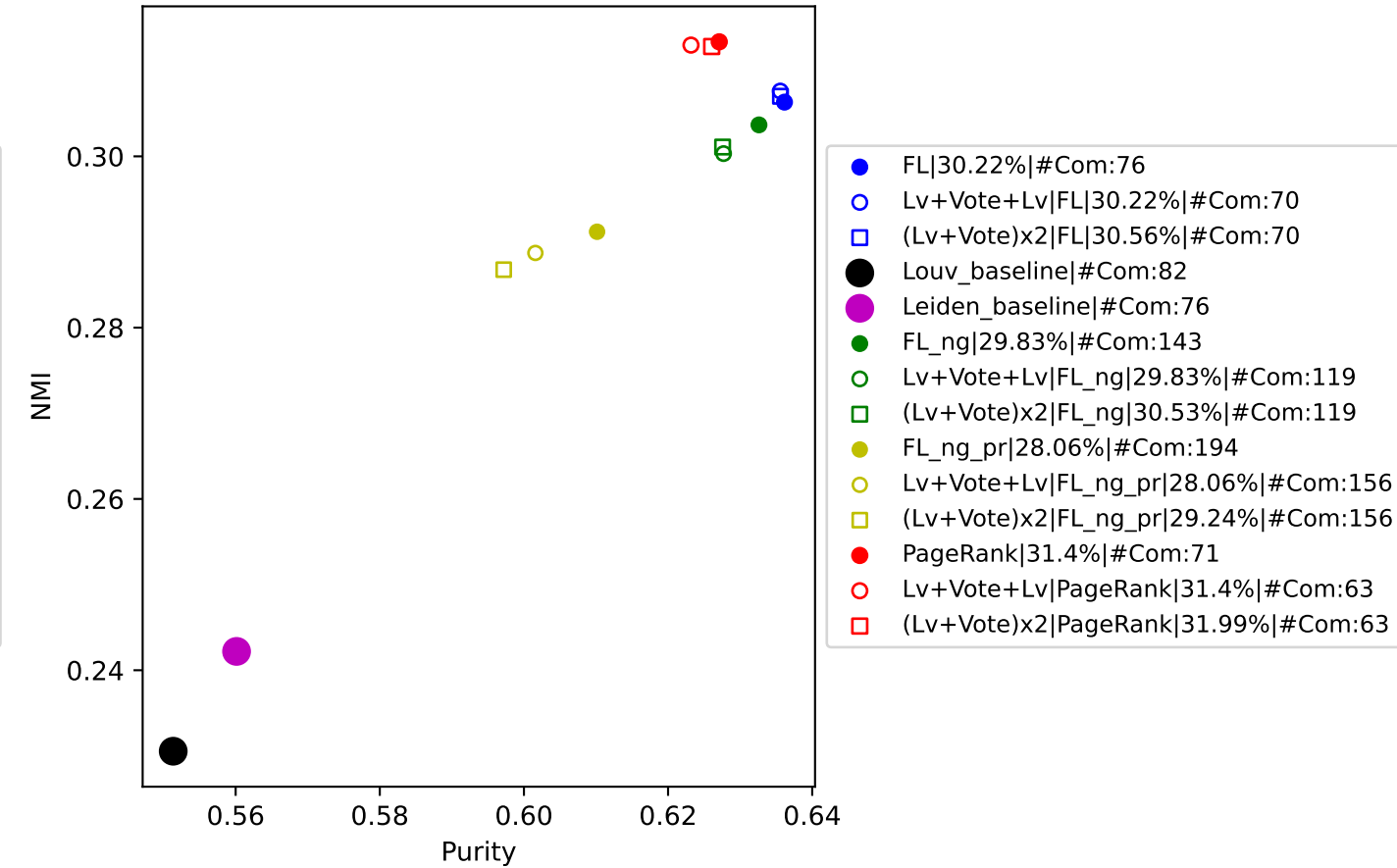
big_patent | top 20.0%| Num_hops: log(n)|res: 1|#OfComm: 9



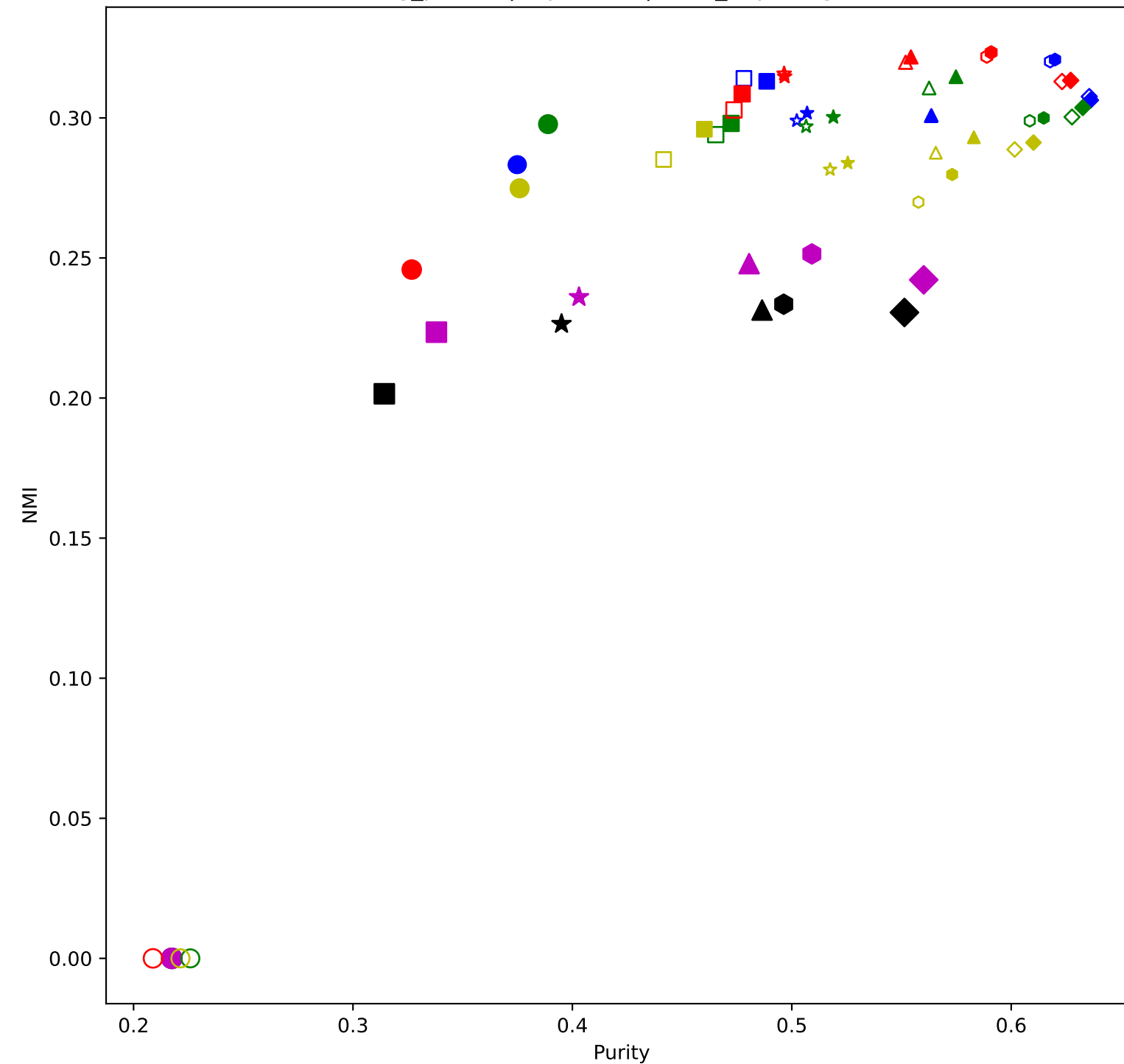
ig_patent | top 20.0%| Num_hops: log(n)|res: 1.5|#OfComm: 9



big_patent | top 20.0%| Num_hops: log(n)|res: 5|#OfComm: 9

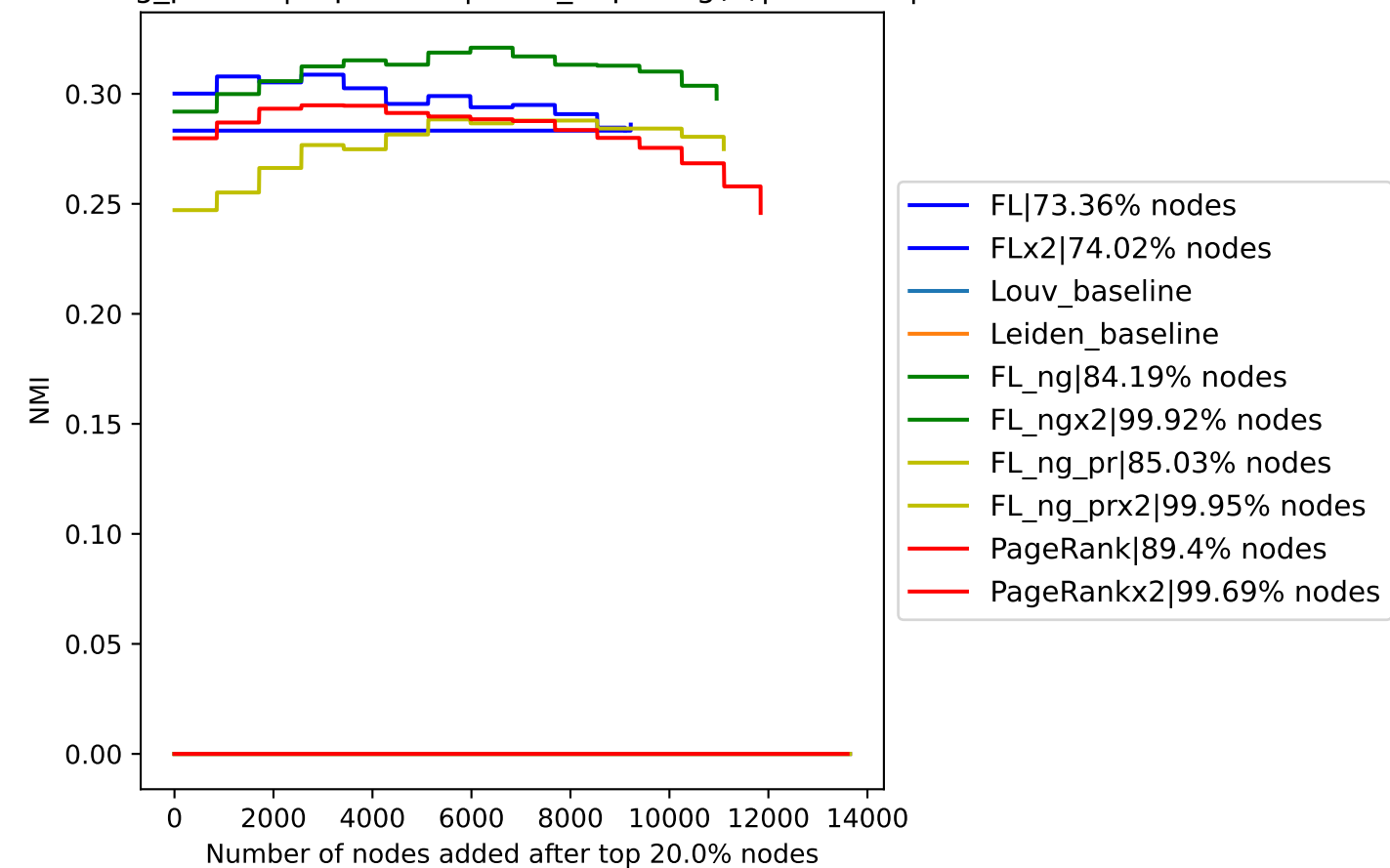


big_patent | top 20.0% | Num_hops: log(n)

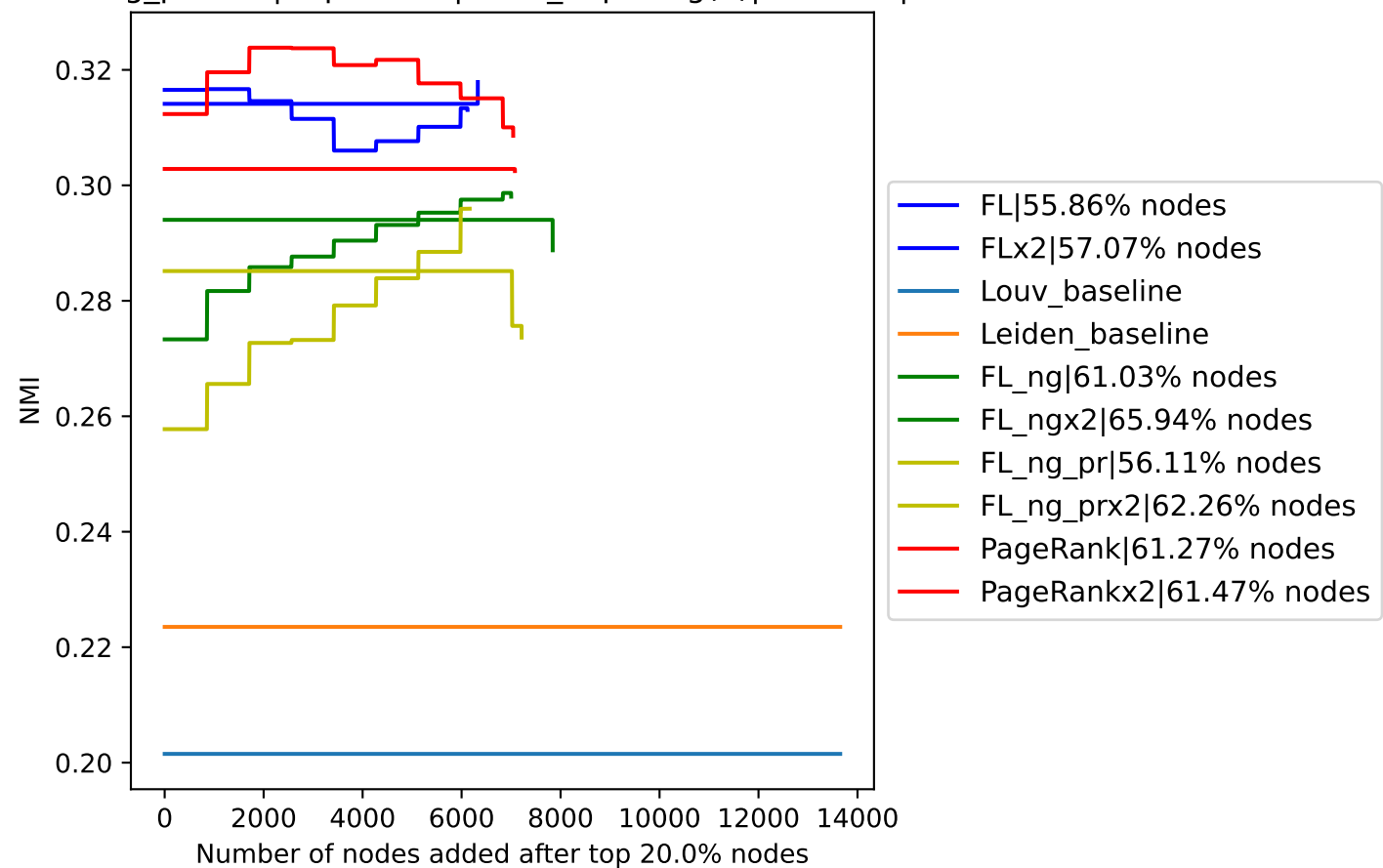


- | | |
|-----------------------------------|----------------------------------|
| ● FL 0.05 73.36% | ▲ FL 1 40.02% |
| ○ Lv+Vote+Lv FL 0.05 73.36% | △ Lv+Vote+Lv FL 1 40.02% |
| ● Louv_baseline 0.05 | ▲ Louv_baseline 1 |
| ● Leiden_baseline 0.05 | ▲ Leiden_baseline 1 |
| ● FL_ng 0.05 84.19% | ▲ FL_ng 1 42.66% |
| ○ Lv+Vote+Lv FL_ng 0.05 84.19% | △ Lv+Vote+Lv FL_ng 1 42.66% |
| ● FL_ng_pr 0.05 85.03% | ▲ FL_ng_pr 1 36.48% |
| ○ Lv+Vote+Lv FL_ng_pr 0.05 85.03% | △ Lv+Vote+Lv FL_ng_pr 1 36.48% |
| ● PageRank 0.05 89.4% | ▲ PageRank 1 45.77% |
| ○ Lv+Vote+Lv PageRank 0.05 89.4% | △ Lv+Vote+Lv PageRank 1 45.77% |
| ■ FL 0.25 55.86% | ● FL 1.5 36.59% |
| □ Lv+Vote+Lv FL 0.25 55.86% | ○ Lv+Vote+Lv FL 1.5 36.59% |
| ■ Louv_baseline 0.25 | ● Louv_baseline 1.5 |
| ■ Leiden_baseline 0.25 | ● Leiden_baseline 1.5 |
| ■ FL_ng 0.25 61.03% | ● FL_ng 1.5 34.96% |
| □ Lv+Vote+Lv FL_ng 0.25 61.03% | ○ Lv+Vote+Lv FL_ng 1.5 34.96% |
| ■ FL_ng_pr 0.25 56.11% | ● FL_ng_pr 1.5 33.96% |
| □ Lv+Vote+Lv FL_ng_pr 0.25 56.11% | ○ Lv+Vote+Lv FL_ng_pr 1.5 33.96% |
| ■ PageRank 0.25 61.27% | ● PageRank 1.5 41.18% |
| □ Lv+Vote+Lv PageRank 0.25 61.27% | ○ Lv+Vote+Lv PageRank 1.5 41.18% |
| ★ FL 0.5 44.97% | ◆ FL 5 30.22% |
| ★ Lv+Vote+Lv FL 0.5 44.97% | ◇ Lv+Vote+Lv FL 5 30.22% |
| ★ Louv_baseline 0.5 | ◆ Louv_baseline 5 |
| ★ Leiden_baseline 0.5 | ◆ Leiden_baseline 5 |
| ★ FL_ng 0.5 49.51% | ◆ FL_ng 5 29.83% |
| ★ Lv+Vote+Lv FL_ng 0.5 49.51% | ◇ Lv+Vote+Lv FL_ng 5 29.83% |
| ★ FL_ng_pr 0.5 44.34% | ◆ FL_ng_pr 5 28.06% |
| ★ Lv+Vote+Lv FL_ng_pr 0.5 44.34% | ◇ Lv+Vote+Lv FL_ng_pr 5 28.06% |
| ★ PageRank 0.5 53.61% | ◆ PageRank 5 31.4% |
| ★ Lv+Vote+Lv PageRank 0.5 53.61% | ◇ Lv+Vote+Lv PageRank 5 31.4% |

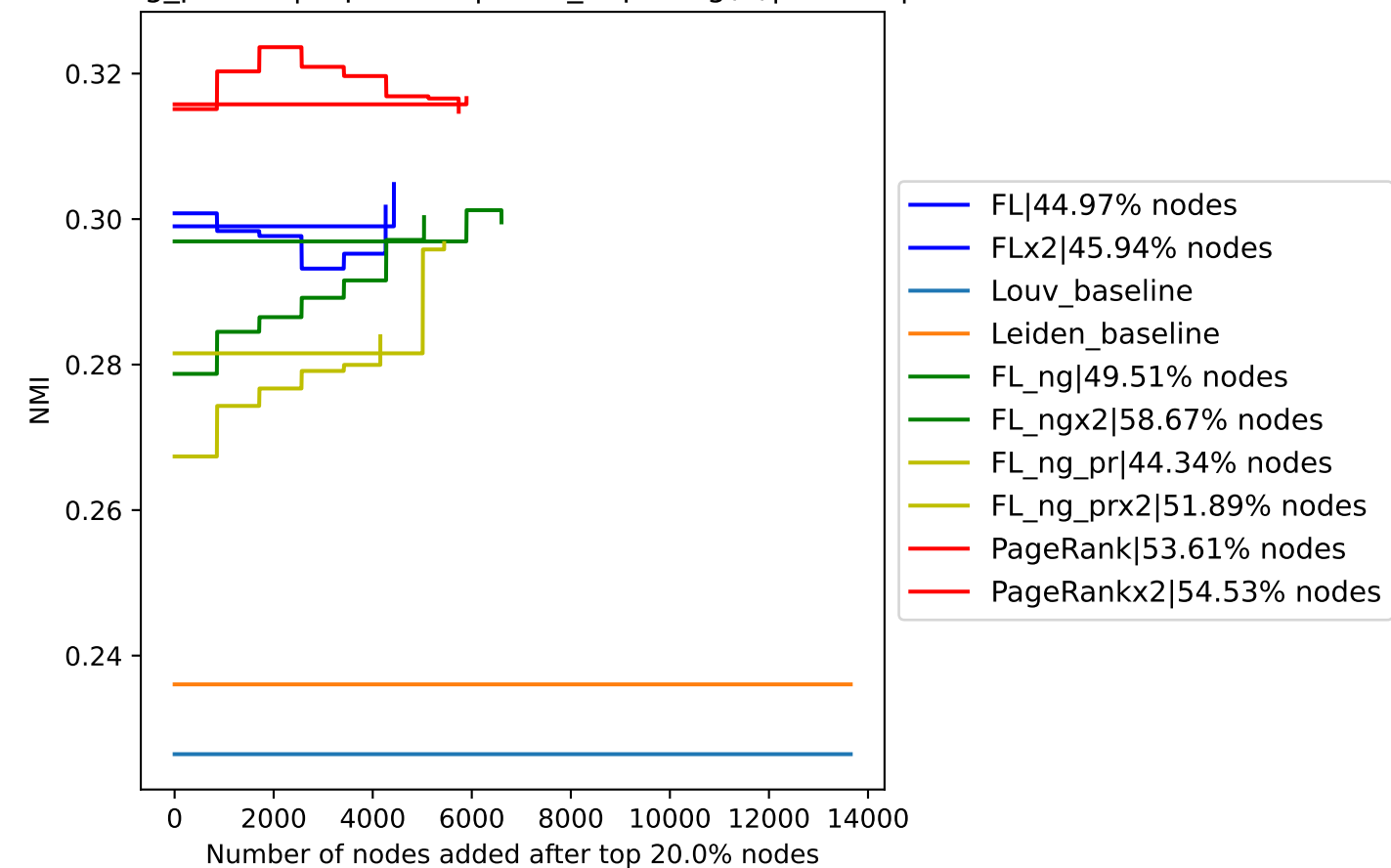
big_patent | top 20.0%| Num_hops: log(n)|res: 0.05|



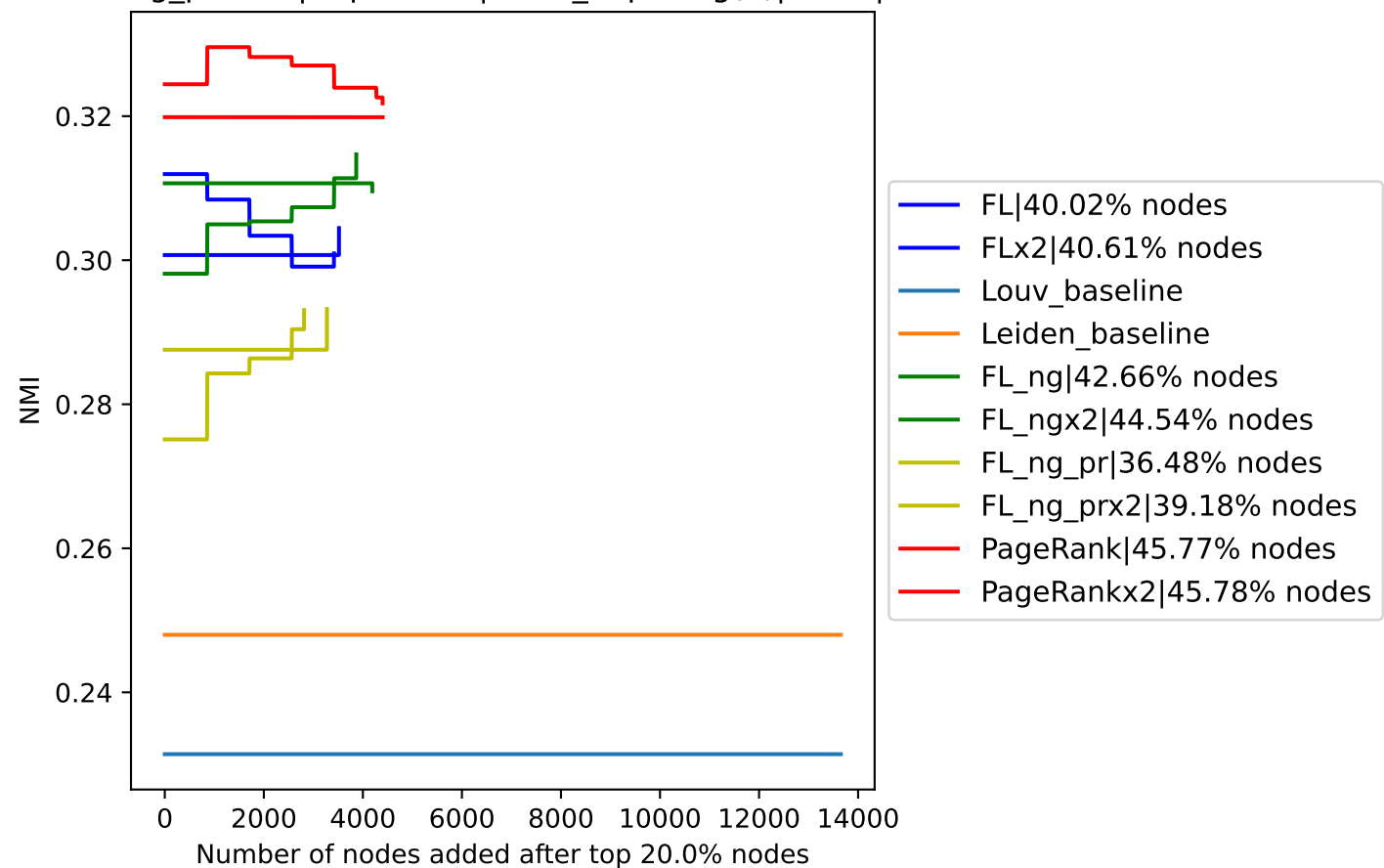
big_patent | top 20.0%| Num_hops: log(n)|res: 0.25|



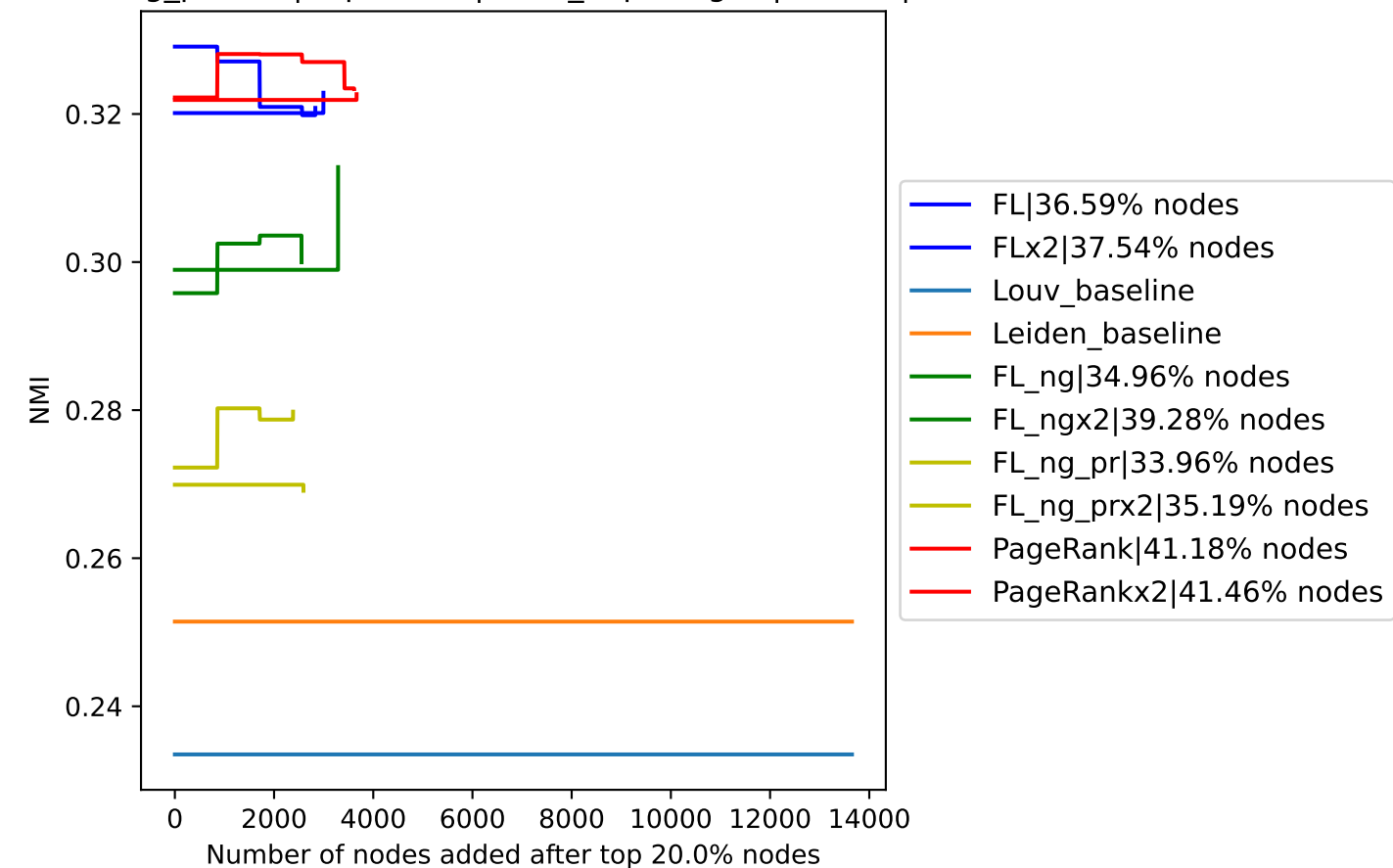
big_patent | top 20.0%| Num_hops: log(n)|res: 0.5|



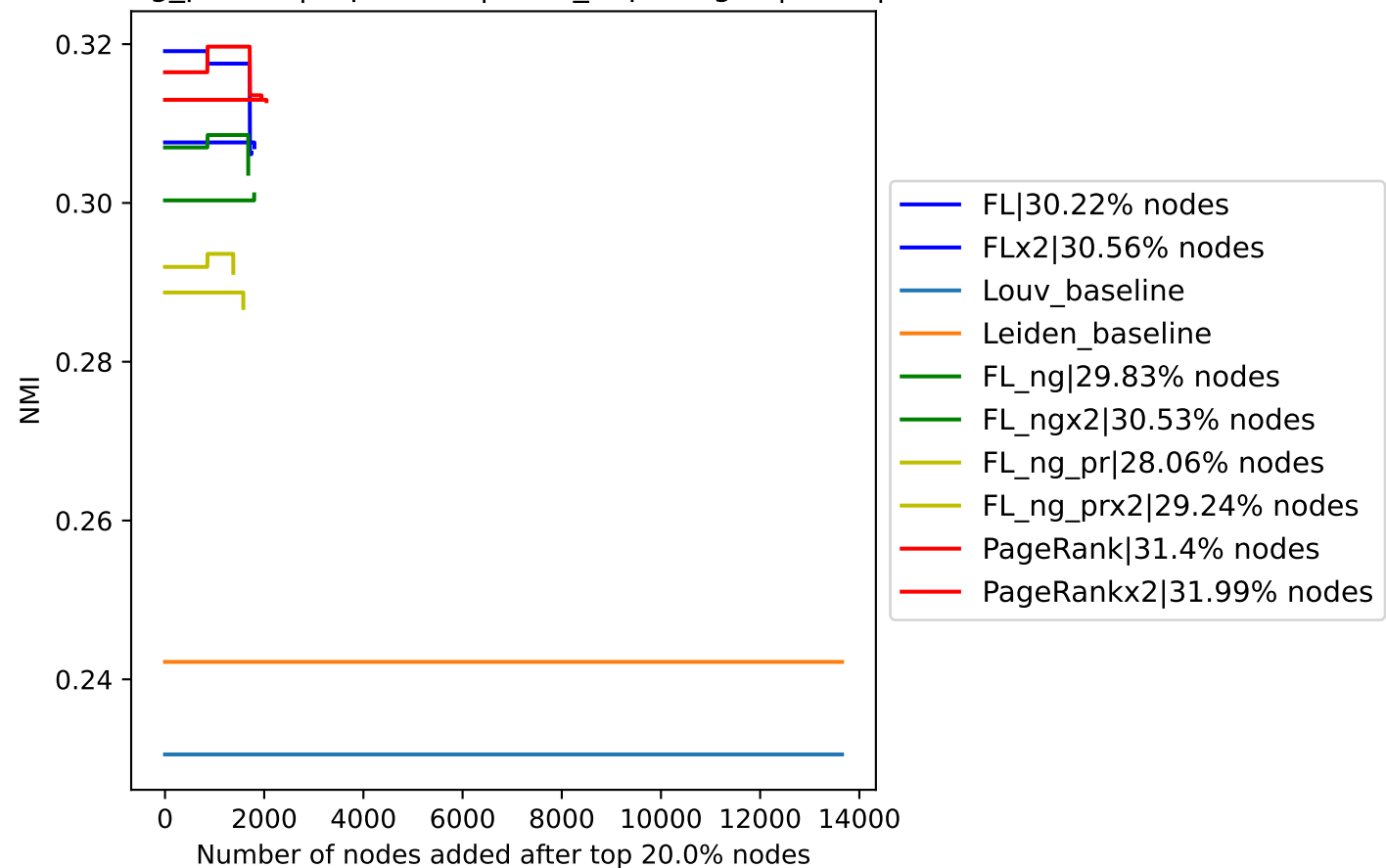
big_patent | top 20.0%| Num_hops: log(n)|res: 1|



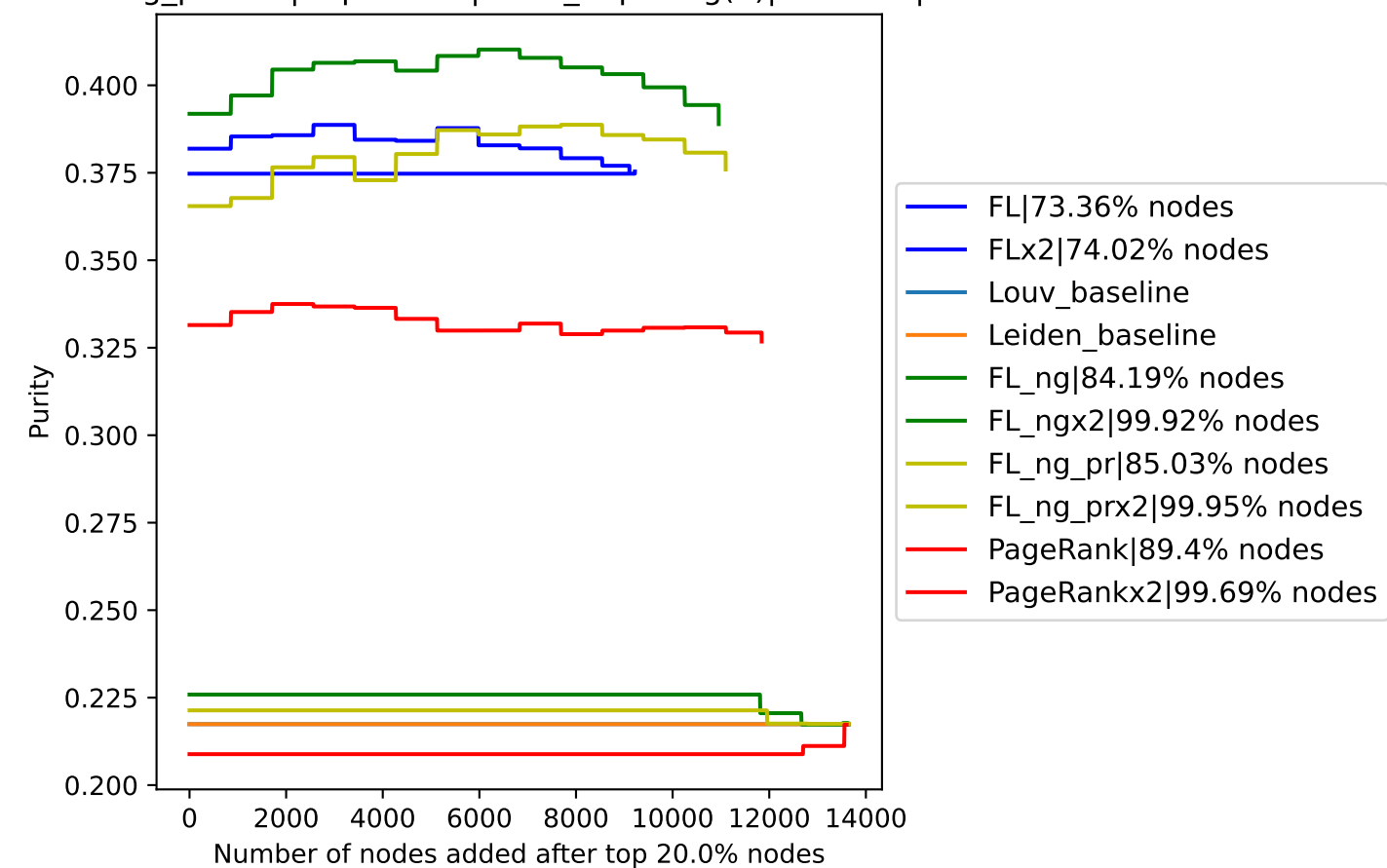
big_patent | top 20.0%| Num_hops: log(n)|res: 1.5|



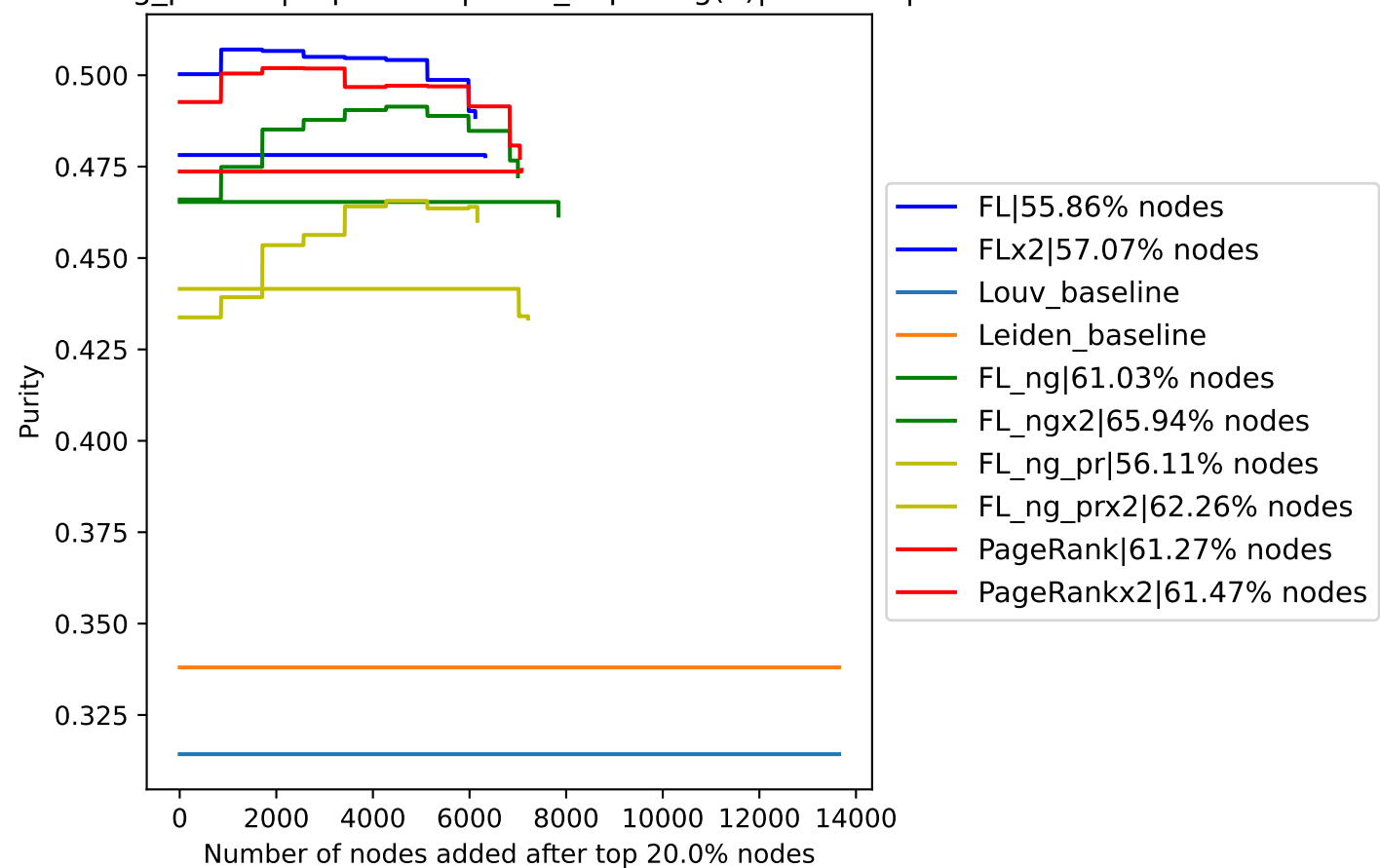
big_patent | top 20.0%| Num_hops: log(n)|res: 5|



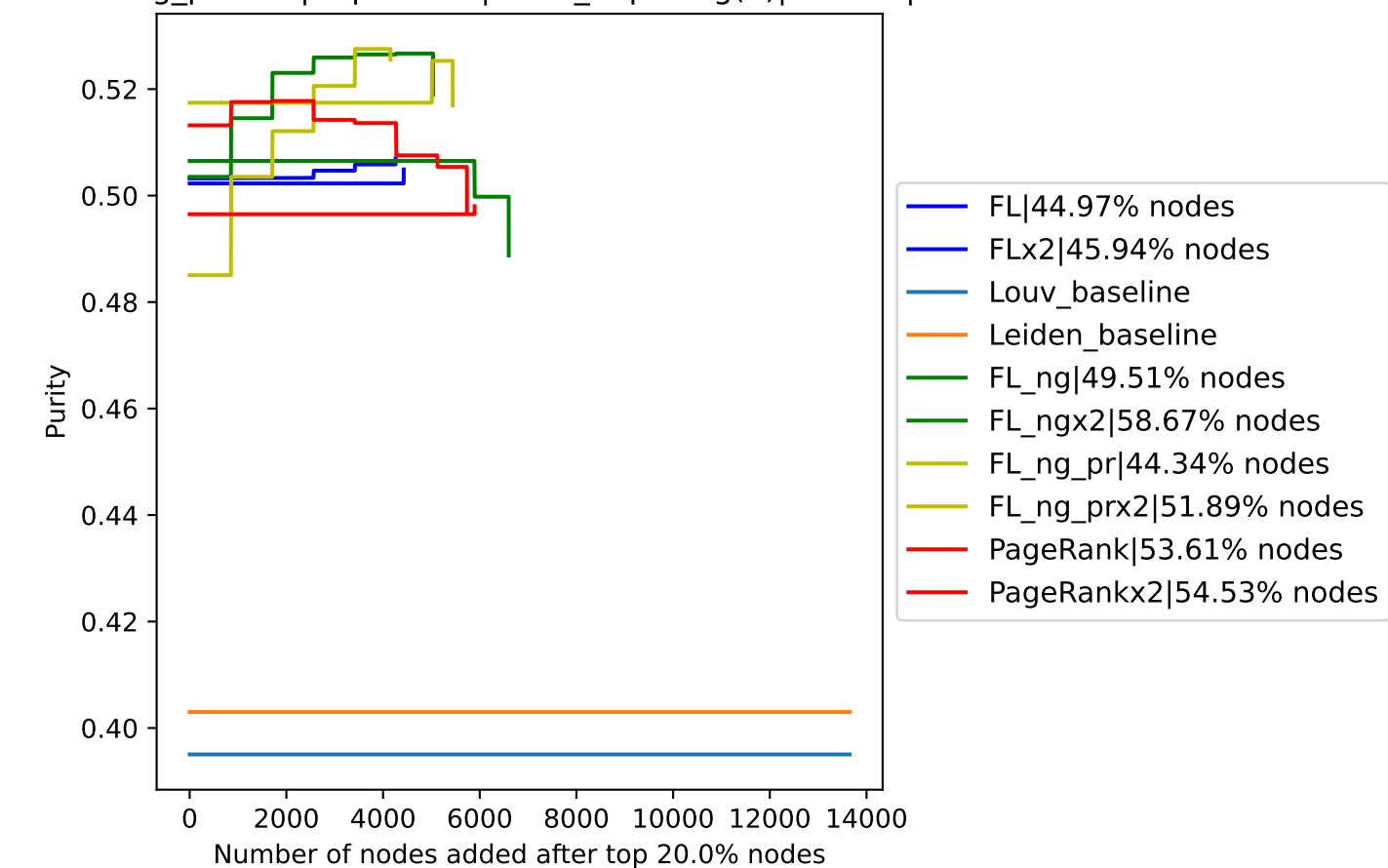
big_patent | top 20.0%| Num_hops: log(n)|res: 0.05|



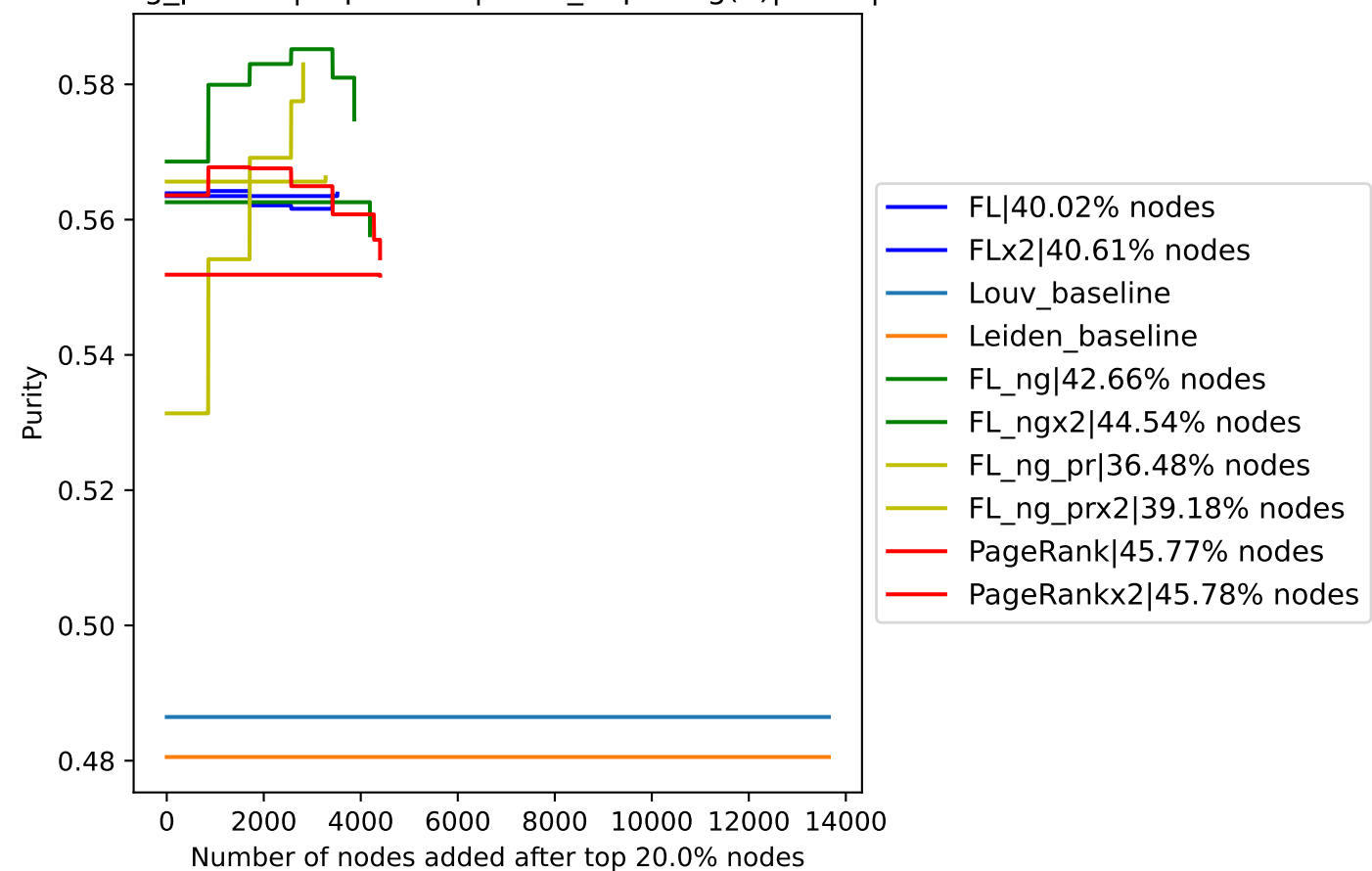
big_patent | top 20.0%| Num_hops: log(n)|res: 0.25|



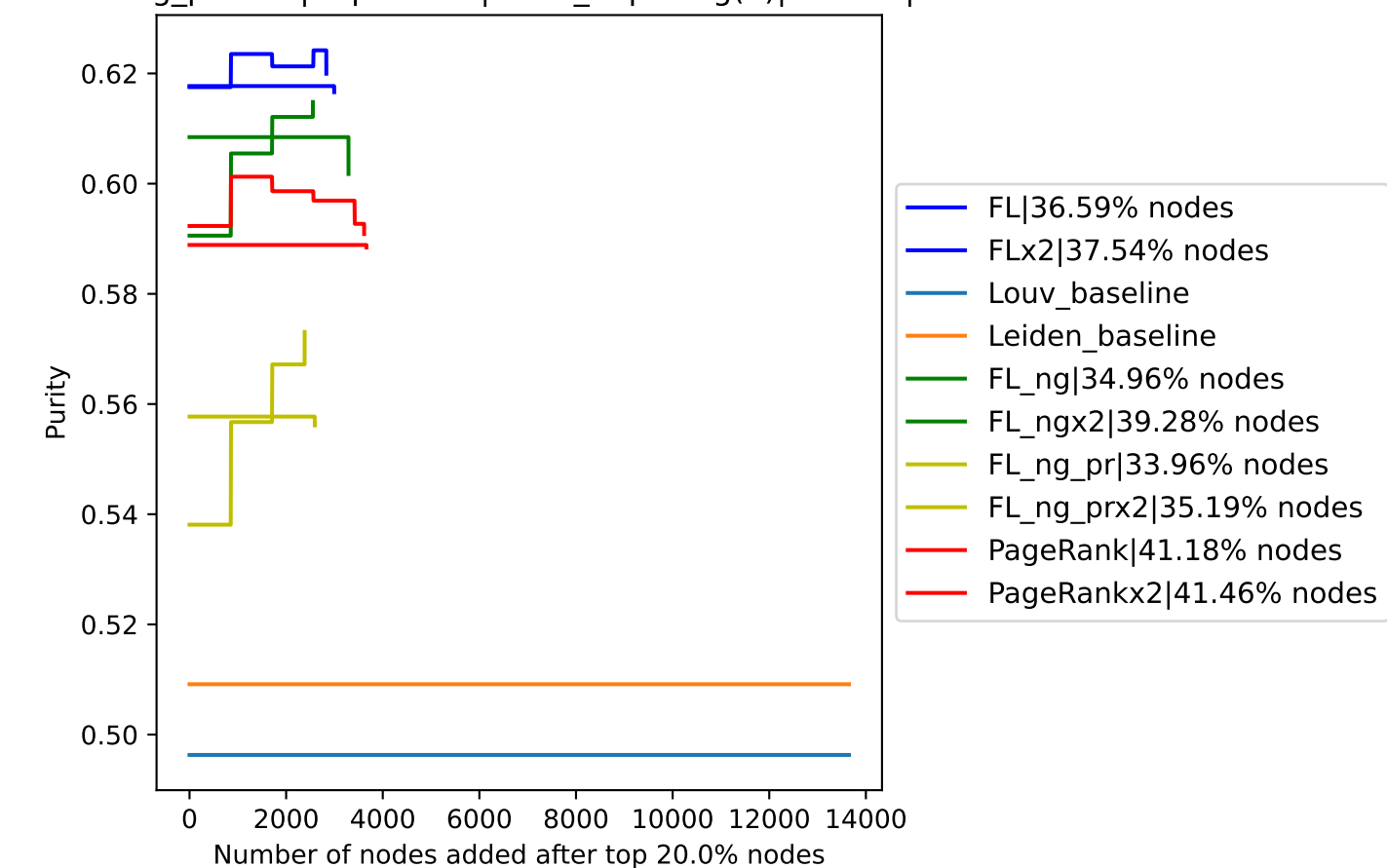
big_patent | top 20.0%| Num_hops: log(n)|res: 0.5|



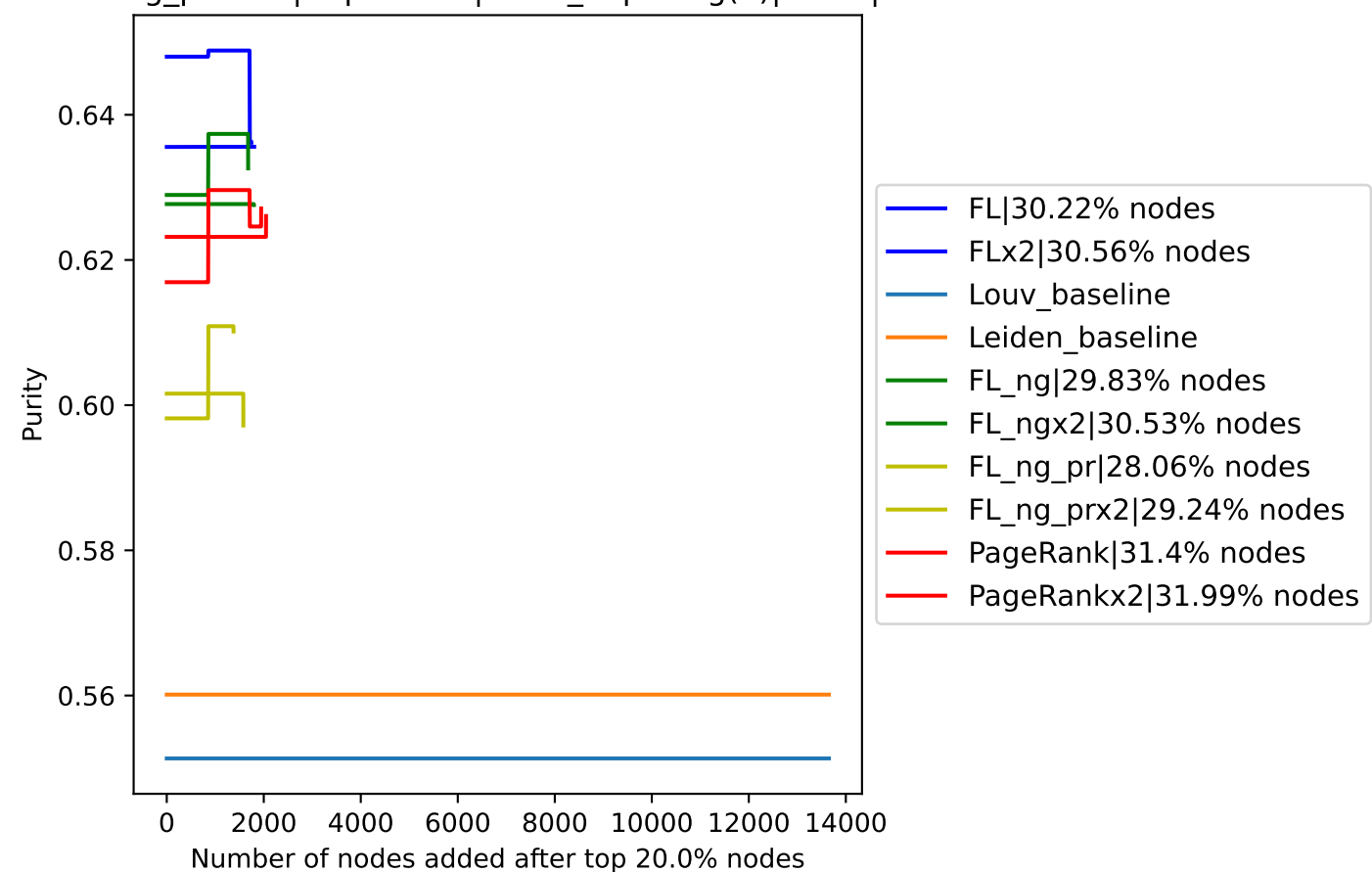
big_patent | top 20.0%| Num_hops: log(n)|res: 1|



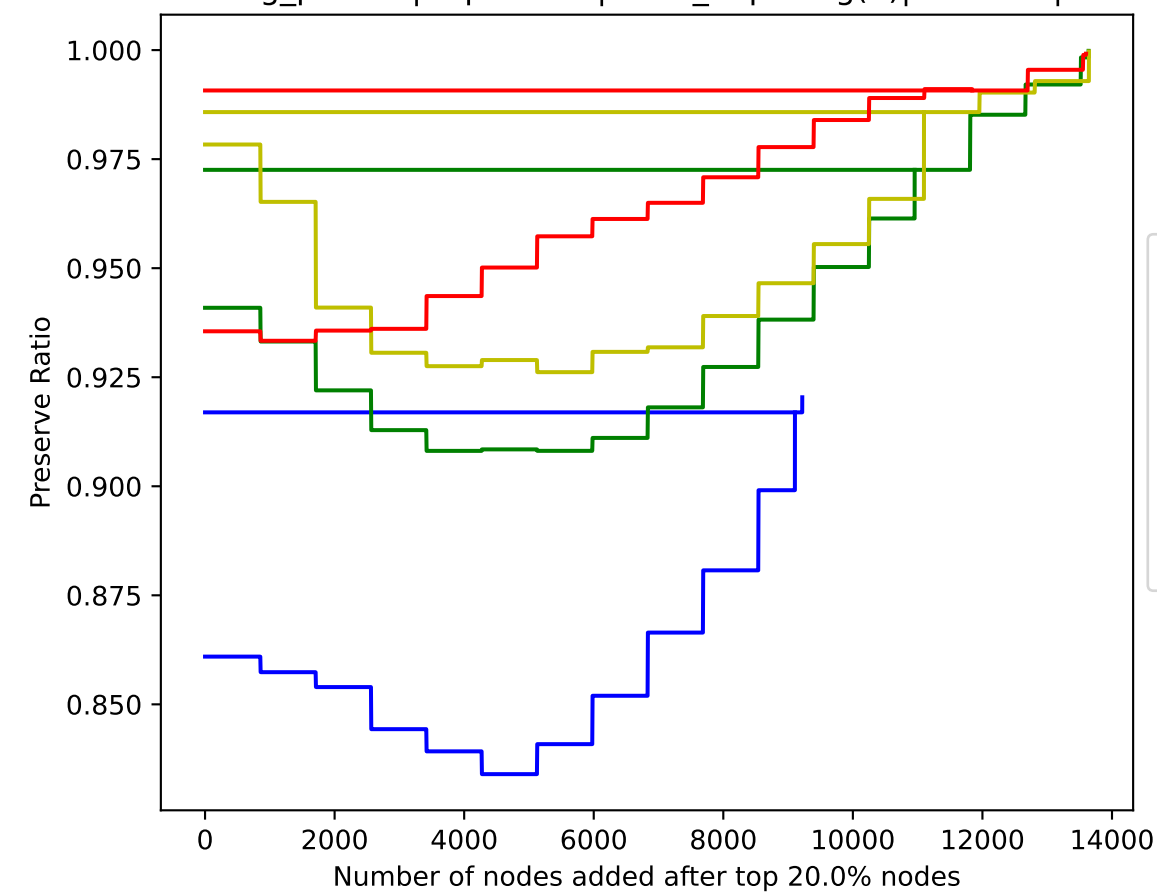
big_patent | top 20.0%| Num_hops: log(n)|res: 1.5|



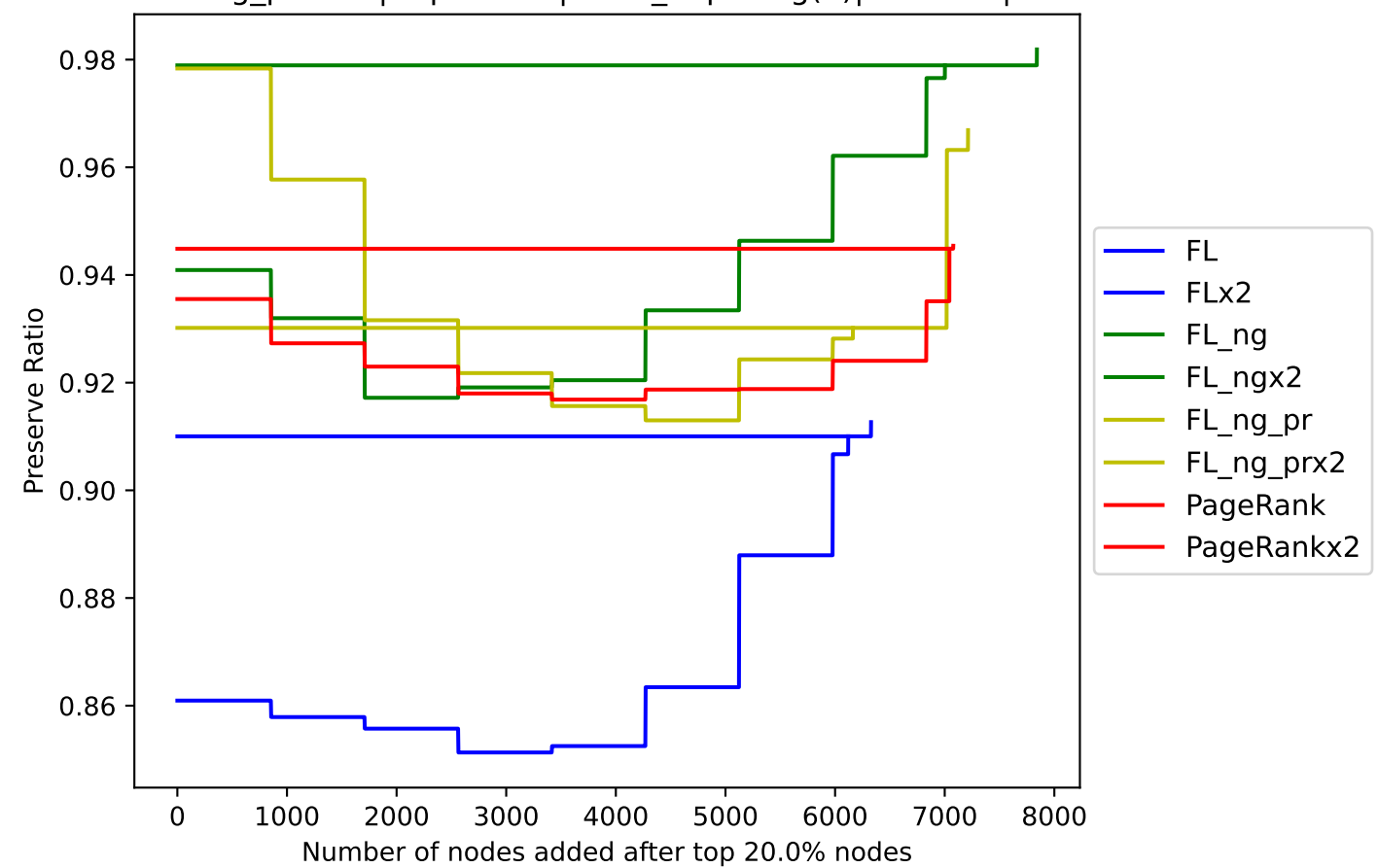
big_patent | top 20.0%| Num_hops: log(n)|res: 5|



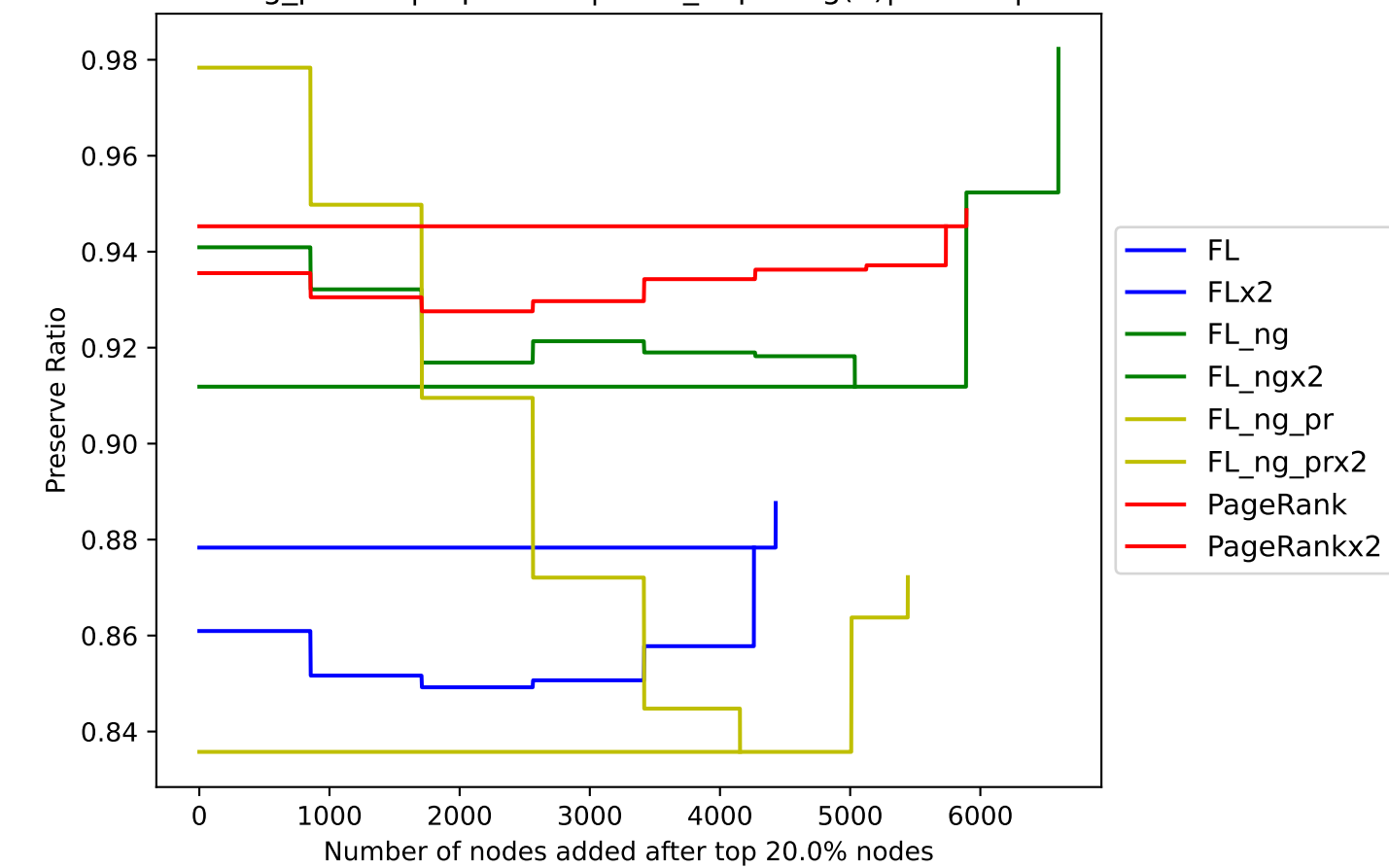
big_patent | top 20.0%| Num_hops: log(n)|res: 0.05|



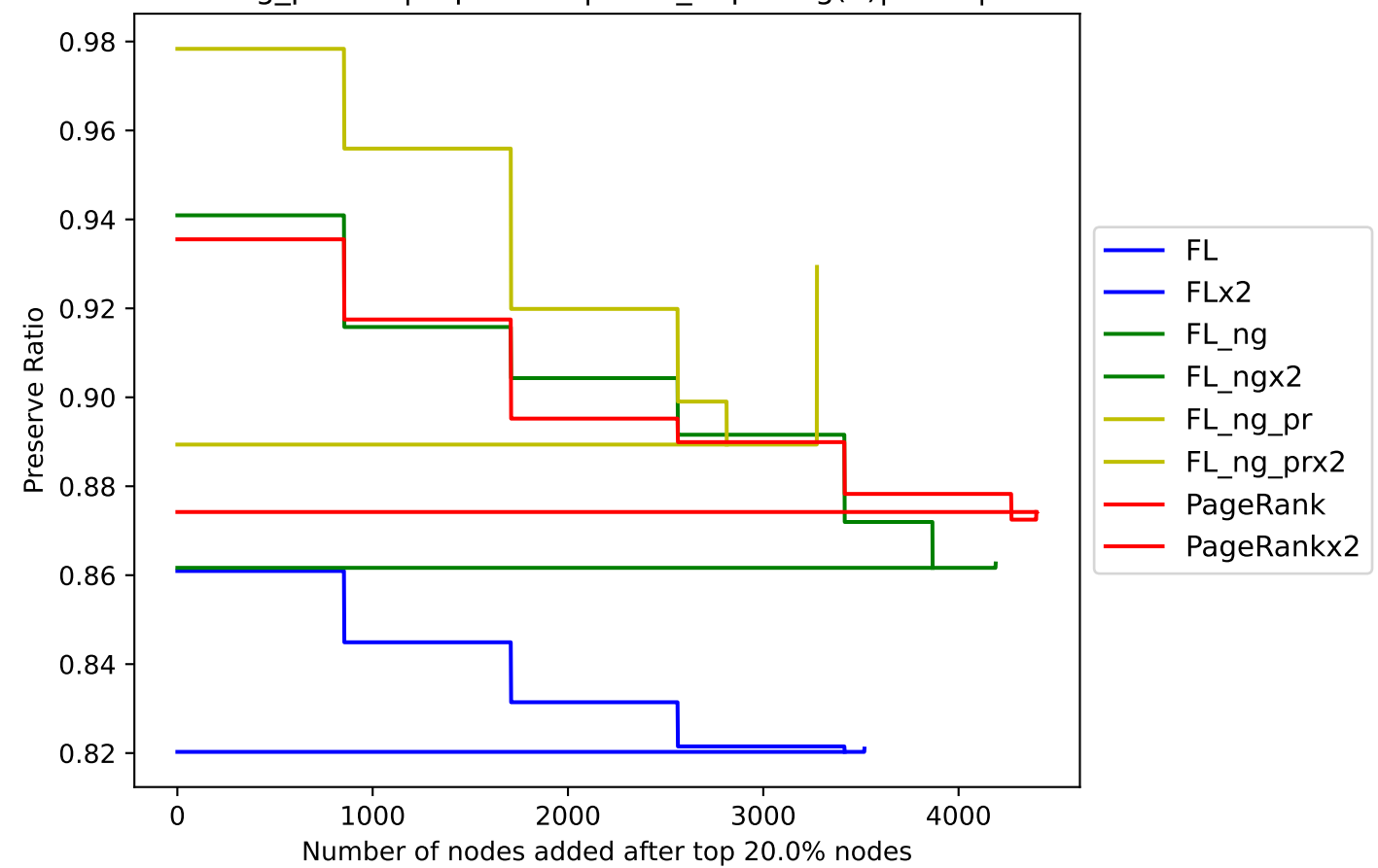
big_patent | top 20.0%| Num_hops: log(n)|res: 0.25|



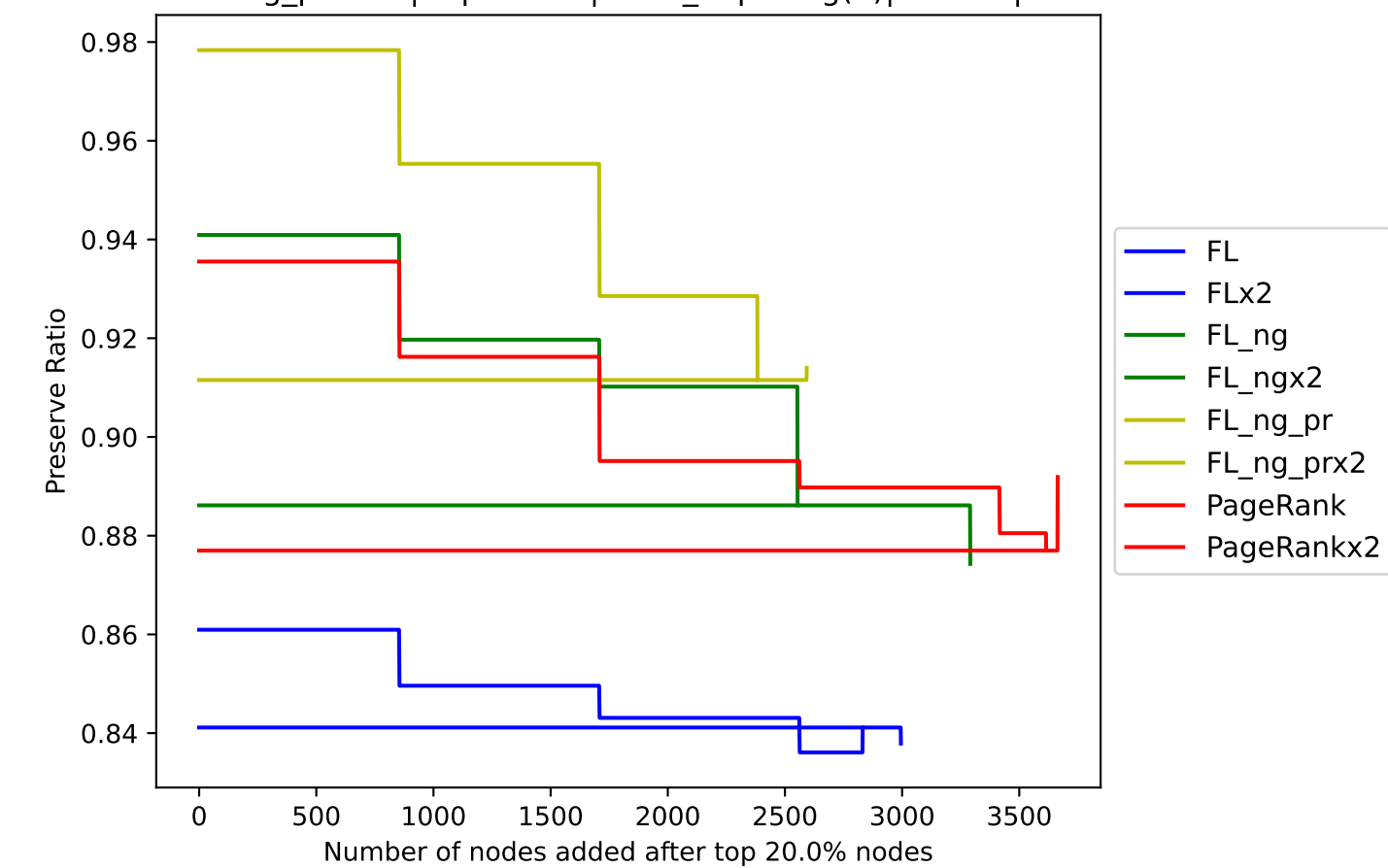
big_patent | top 20.0%| Num_hops: log(n)|res: 0.5|



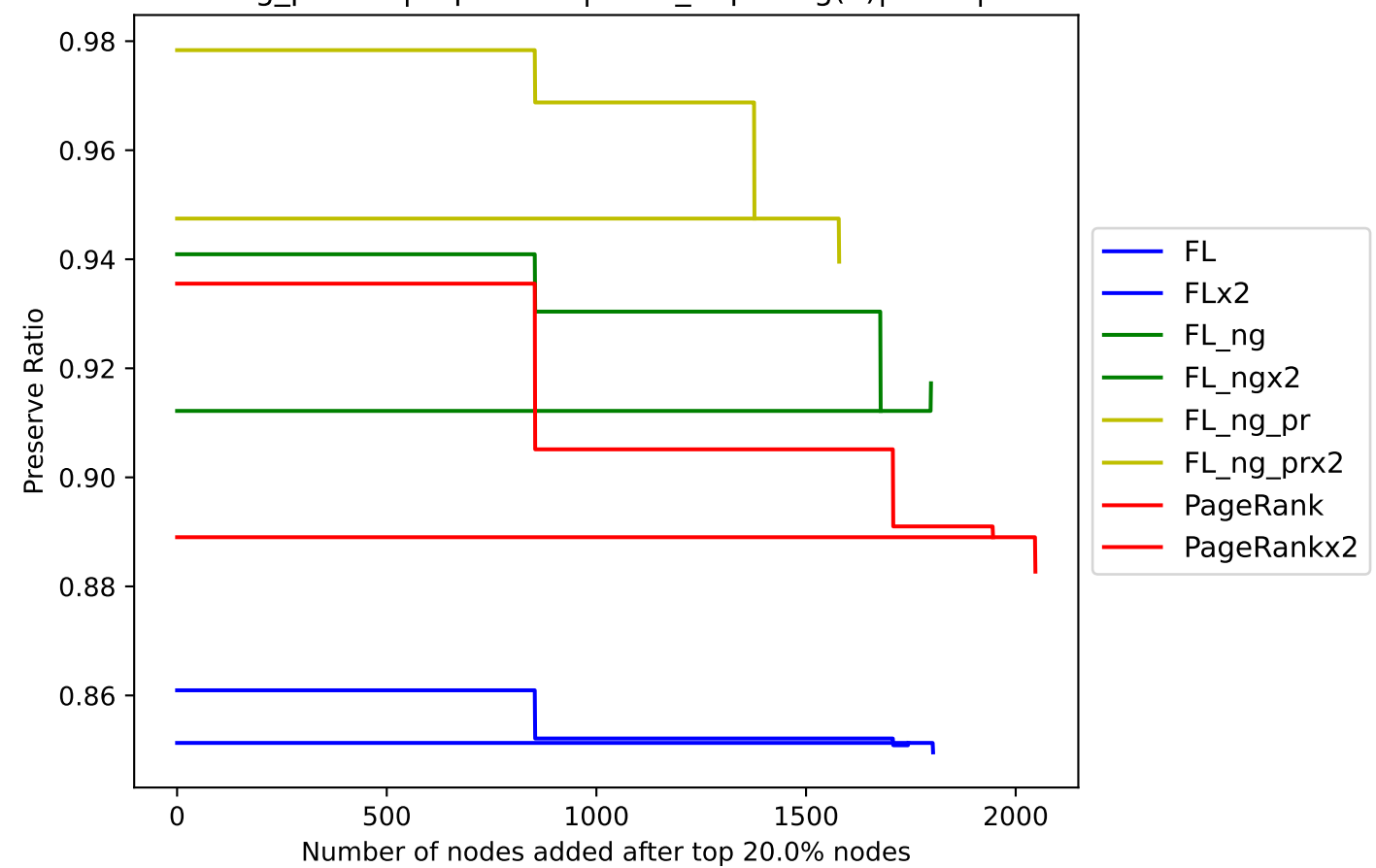
big_patent | top 20.0%| Num_hops: log(n)|res: 1|



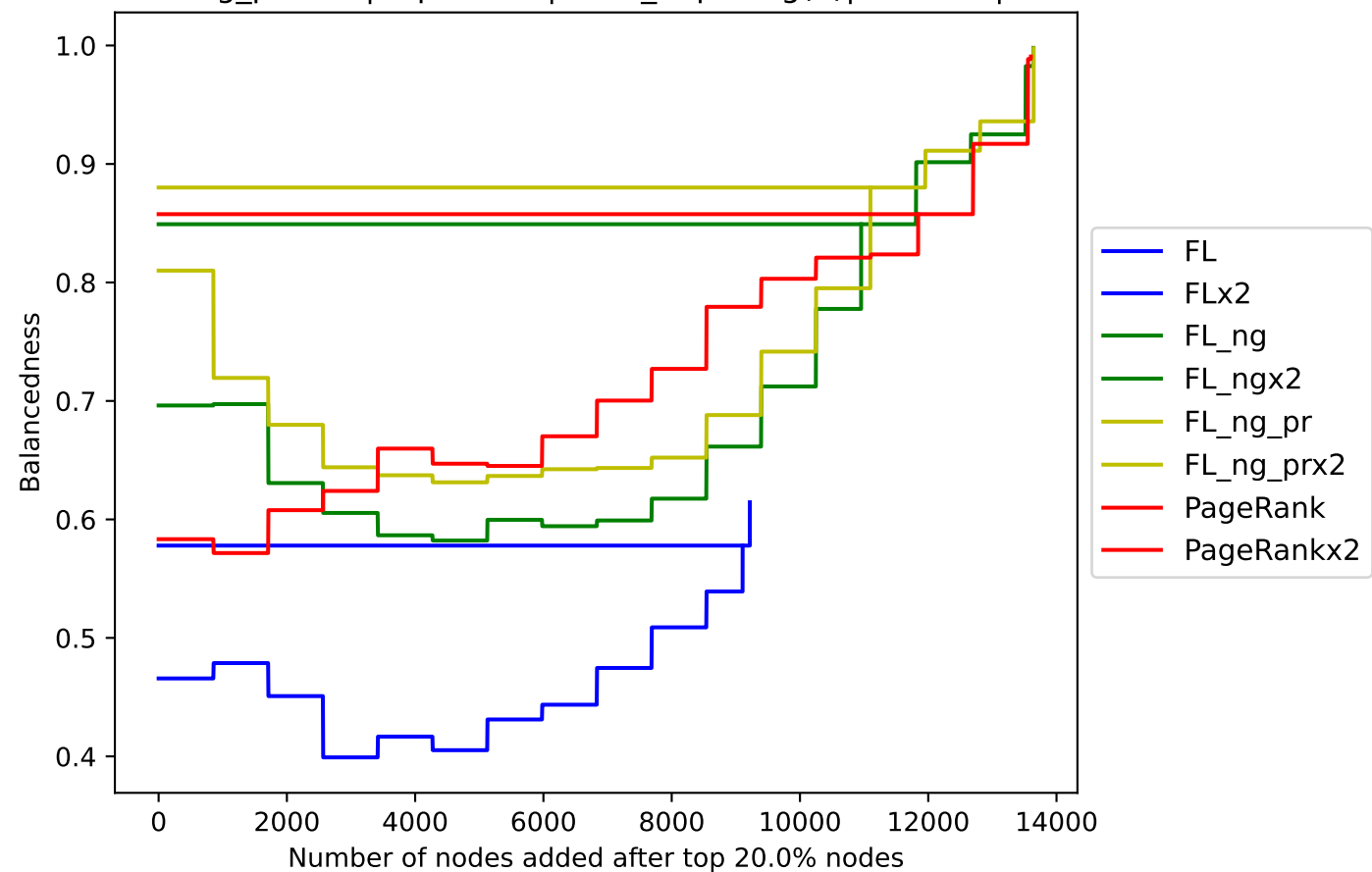
big_patent | top 20.0%| Num_hops: log(n)|res: 1.5|



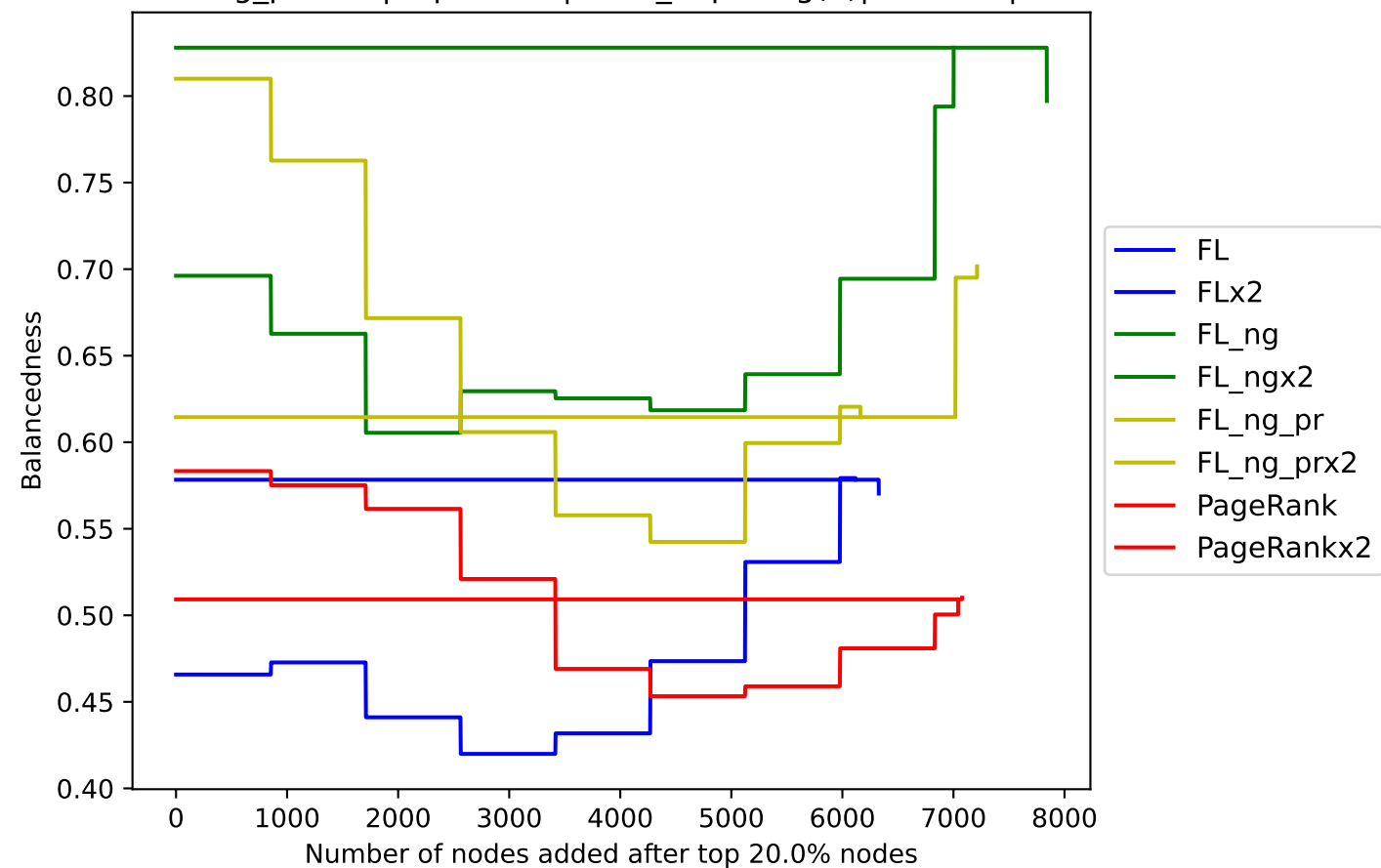
big_patent | top 20.0%| Num_hops: log(n)|res: 5|



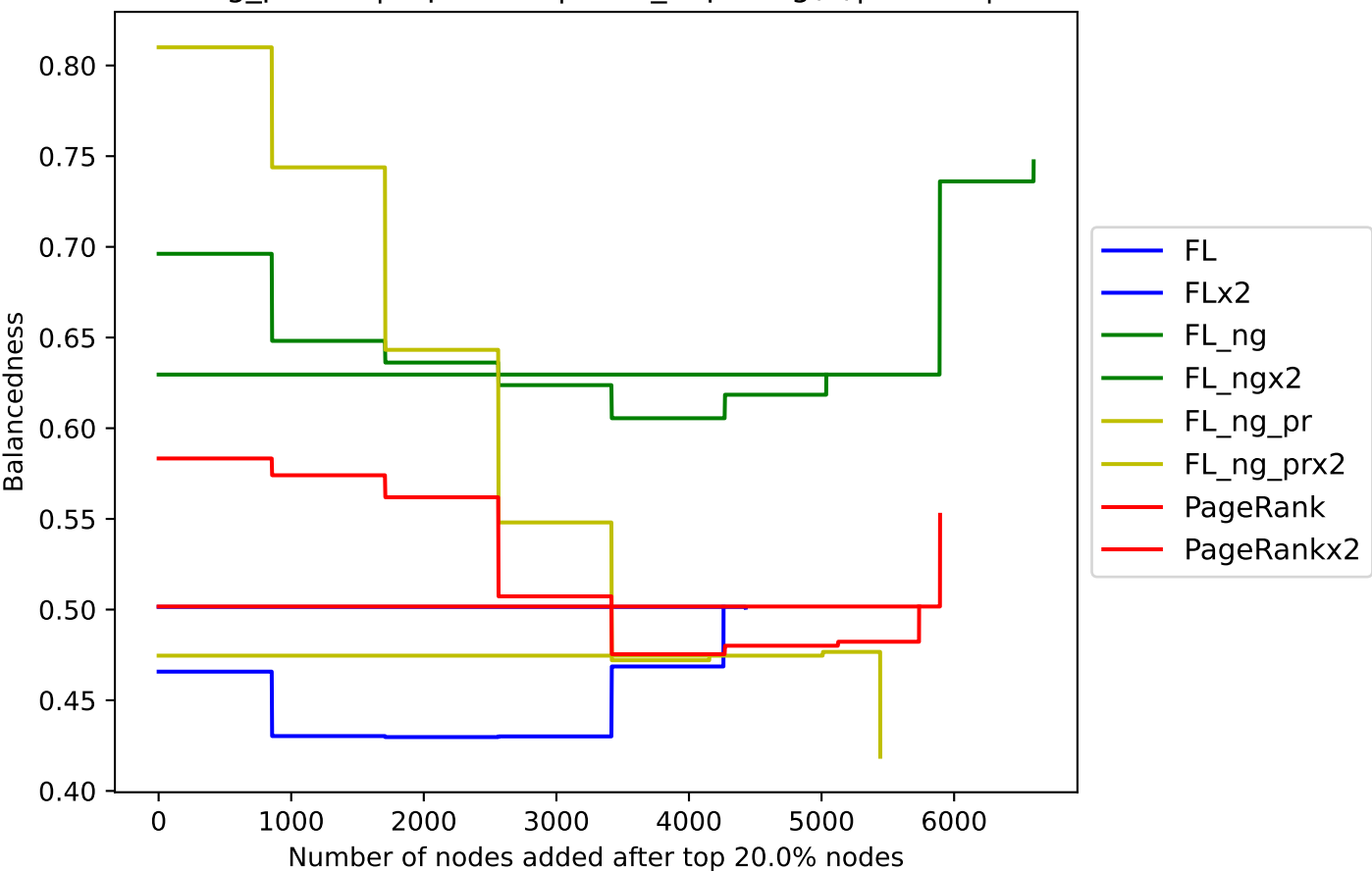
big_patent | top 20.0%| Num_hops: log(n)|res: 0.05|



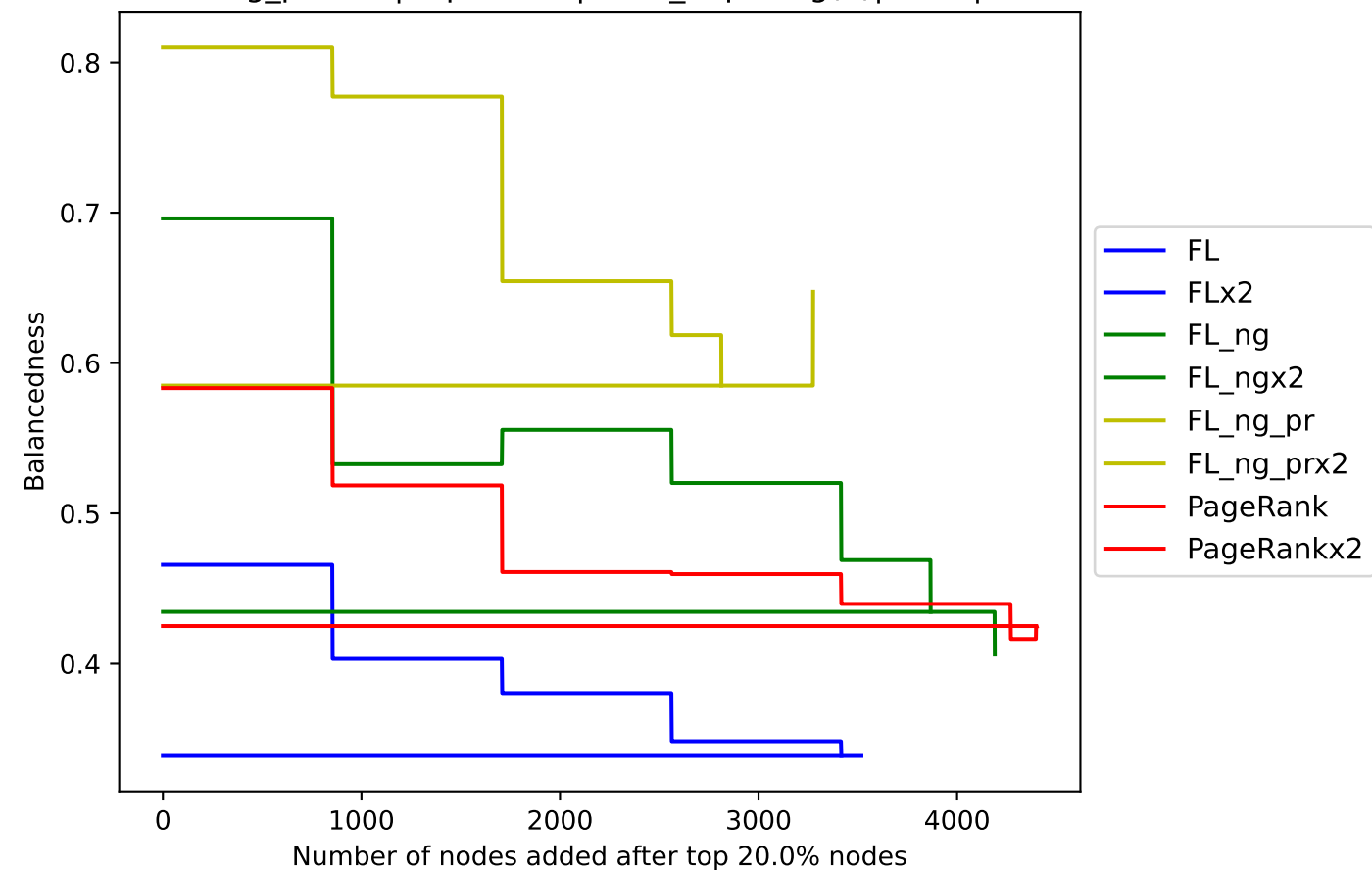
big_patent | top 20.0%| Num_hops: log(n)|res: 0.25|



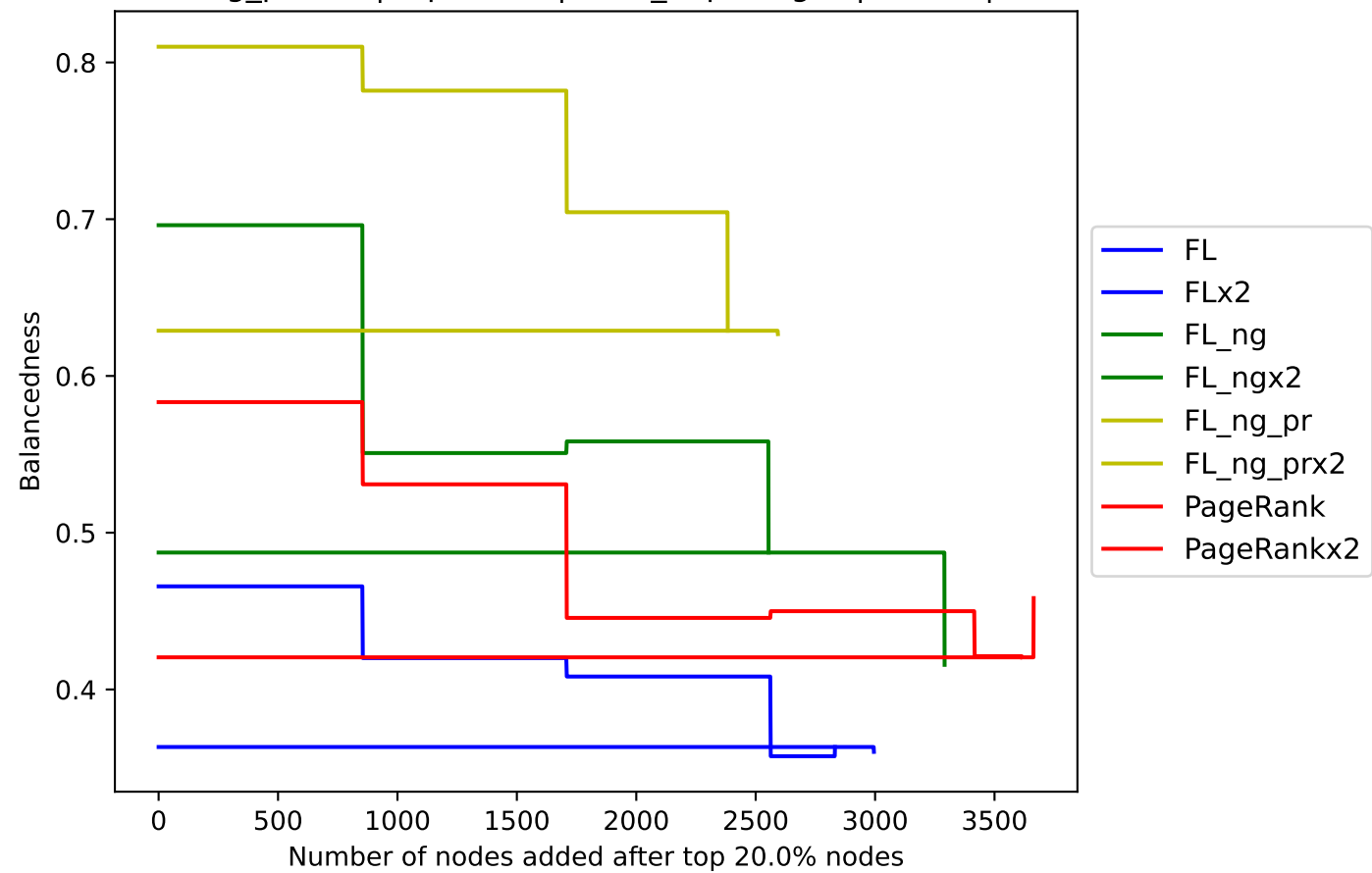
big_patent | top 20.0%| Num_hops: log(n)|res: 0.5|



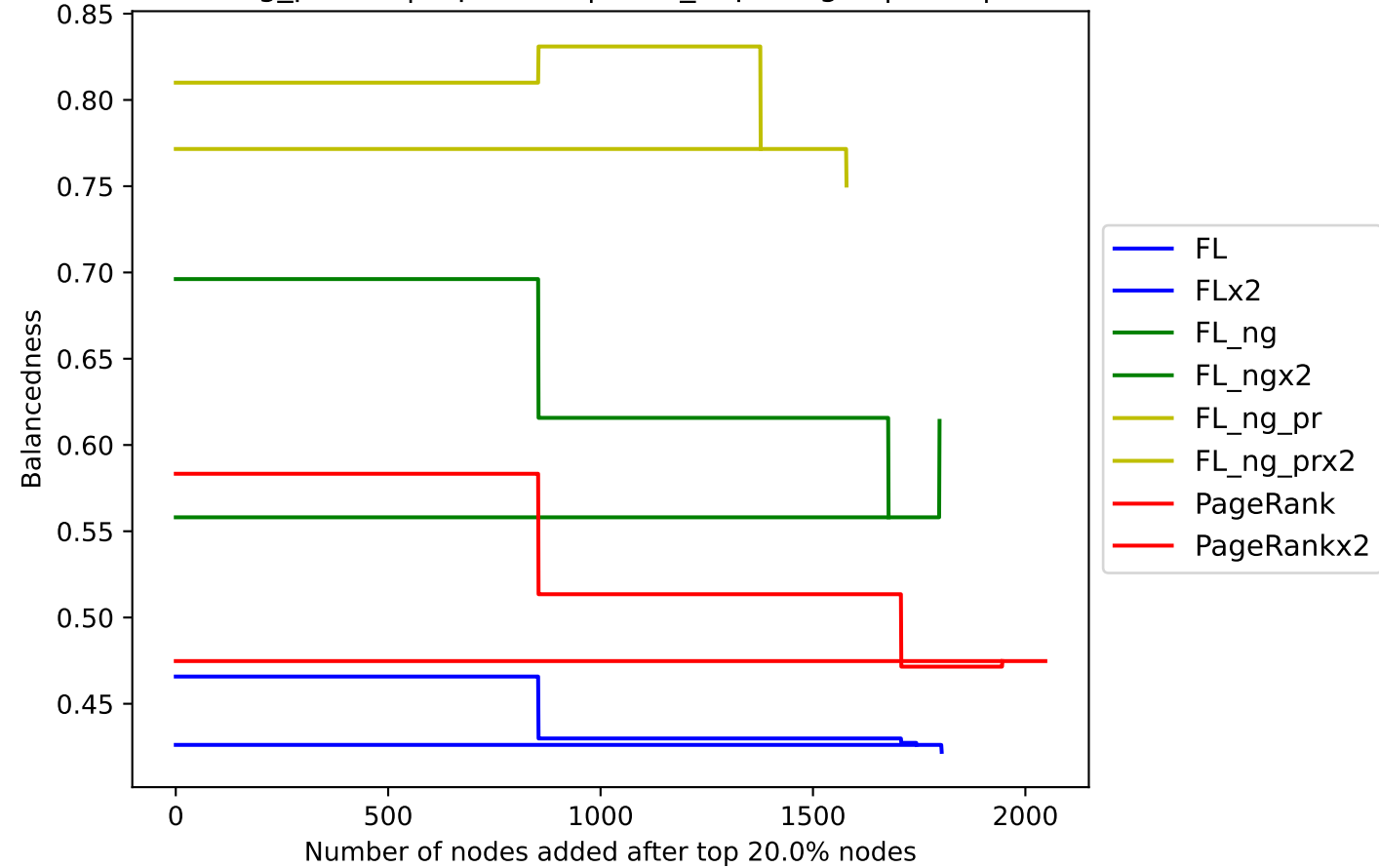
big_patent | top 20.0%| Num_hops: log(n)|res: 1|



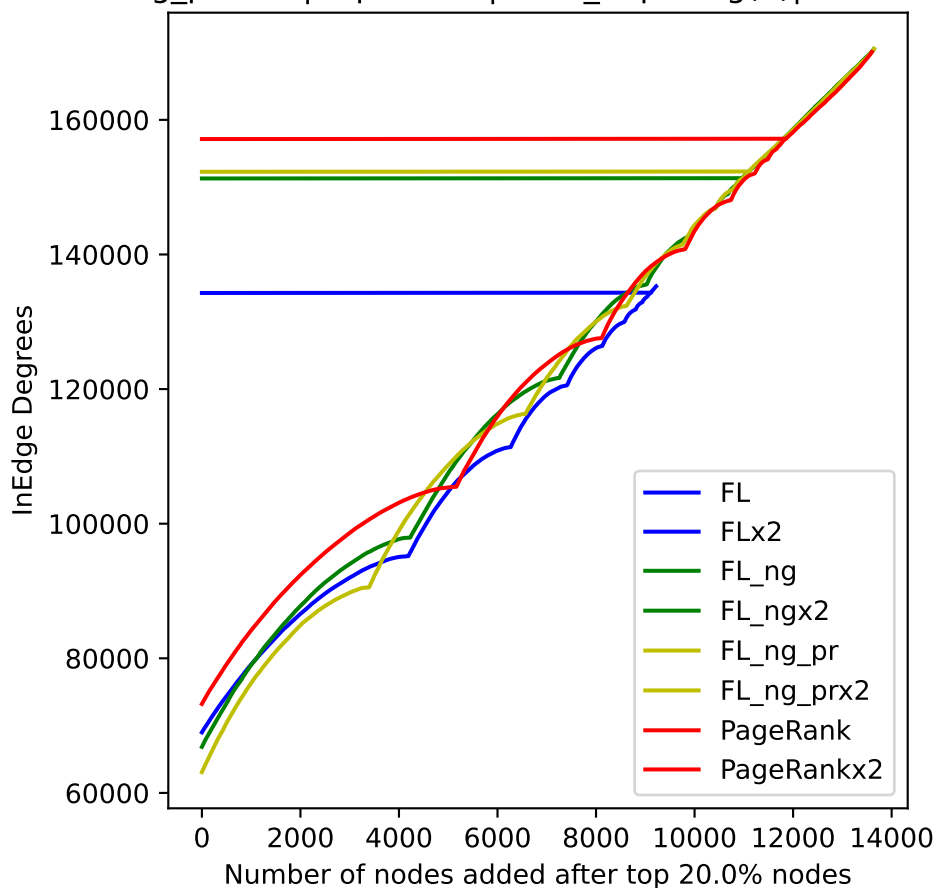
big_patent | top 20.0%| Num_hops: log(n)|res: 1.5|



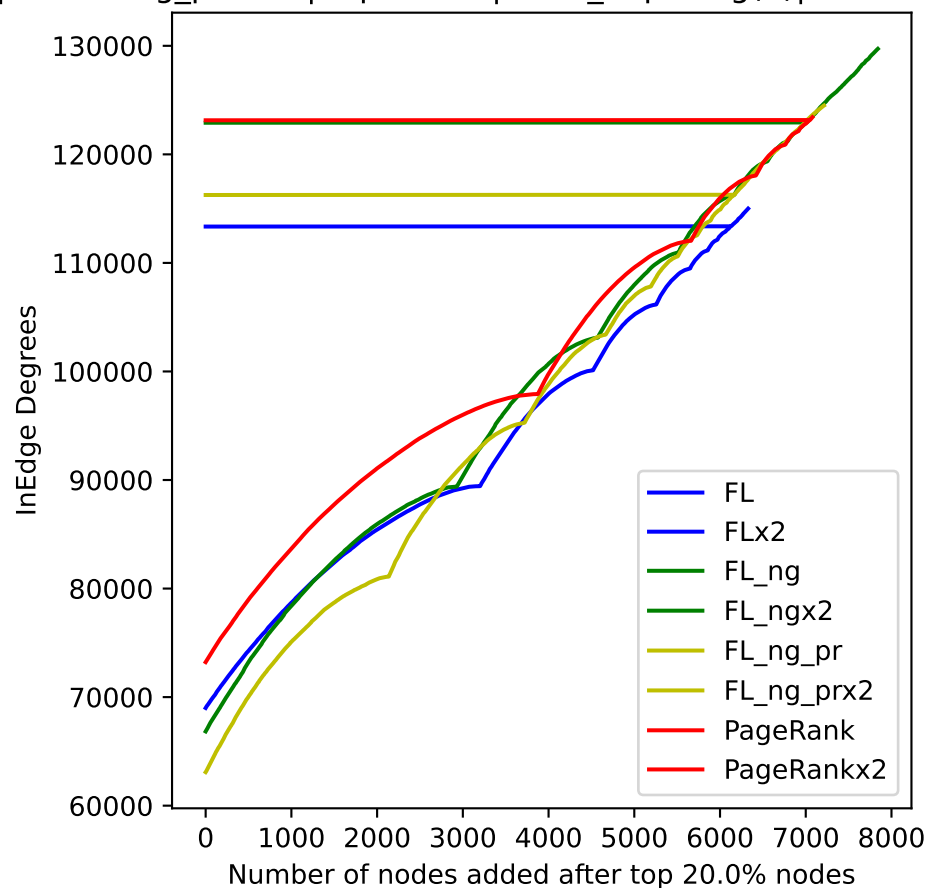
big_patent | top 20.0%| Num_hops: log(n)|res: 5|



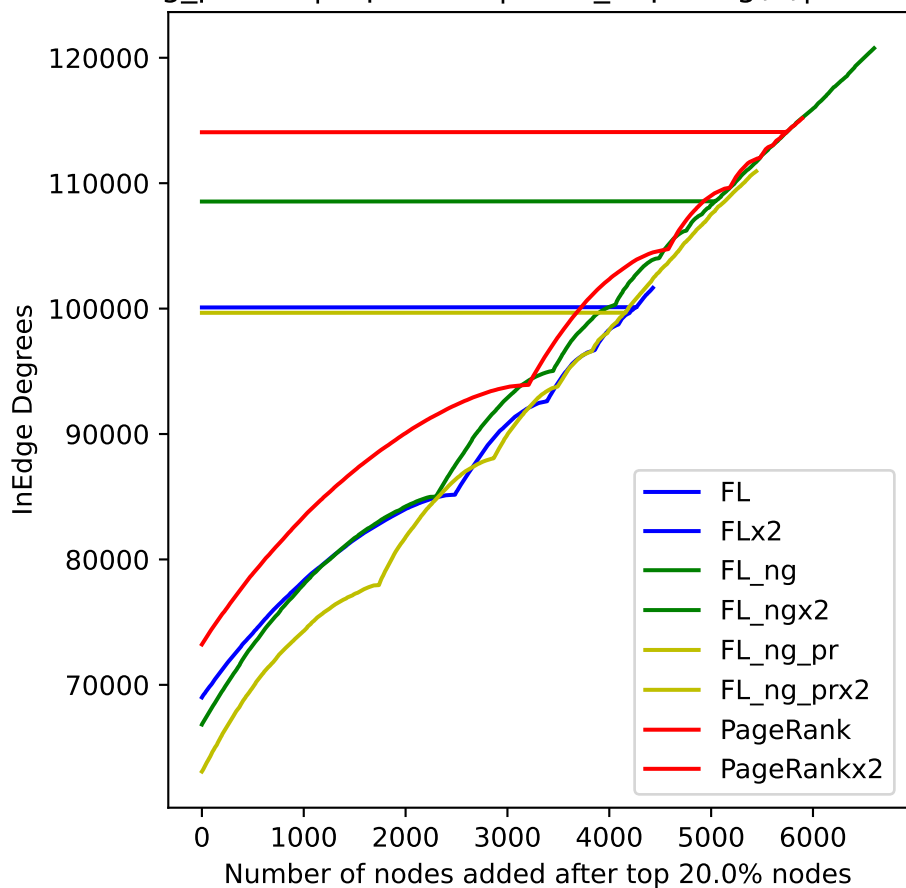
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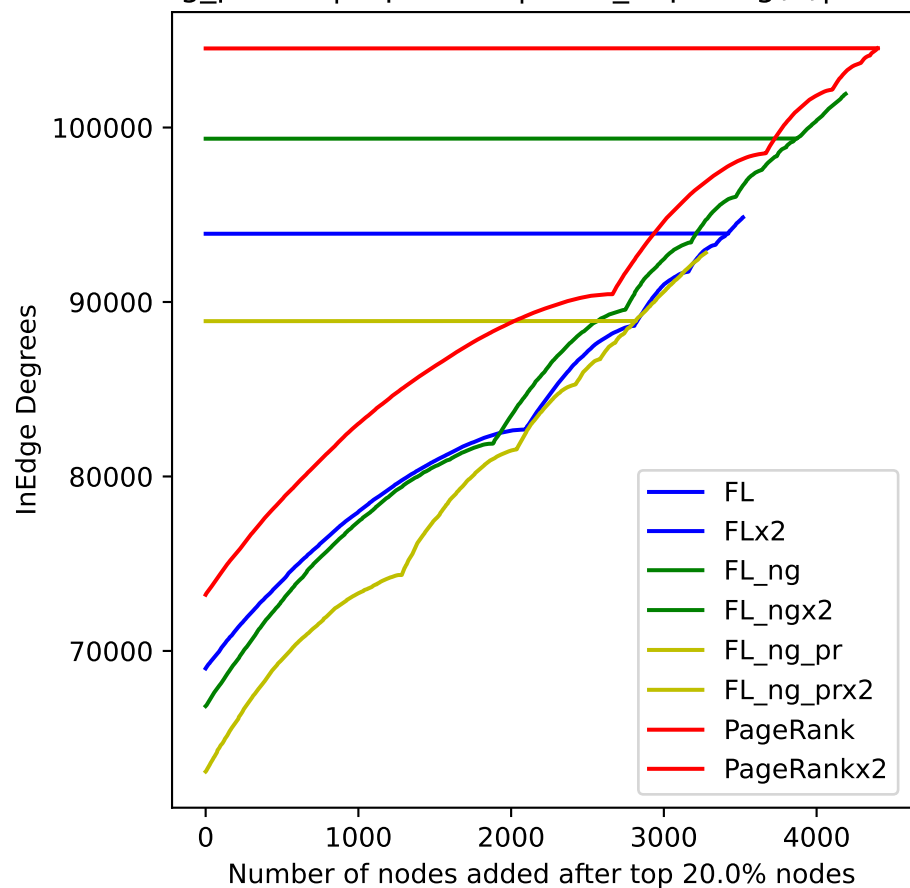
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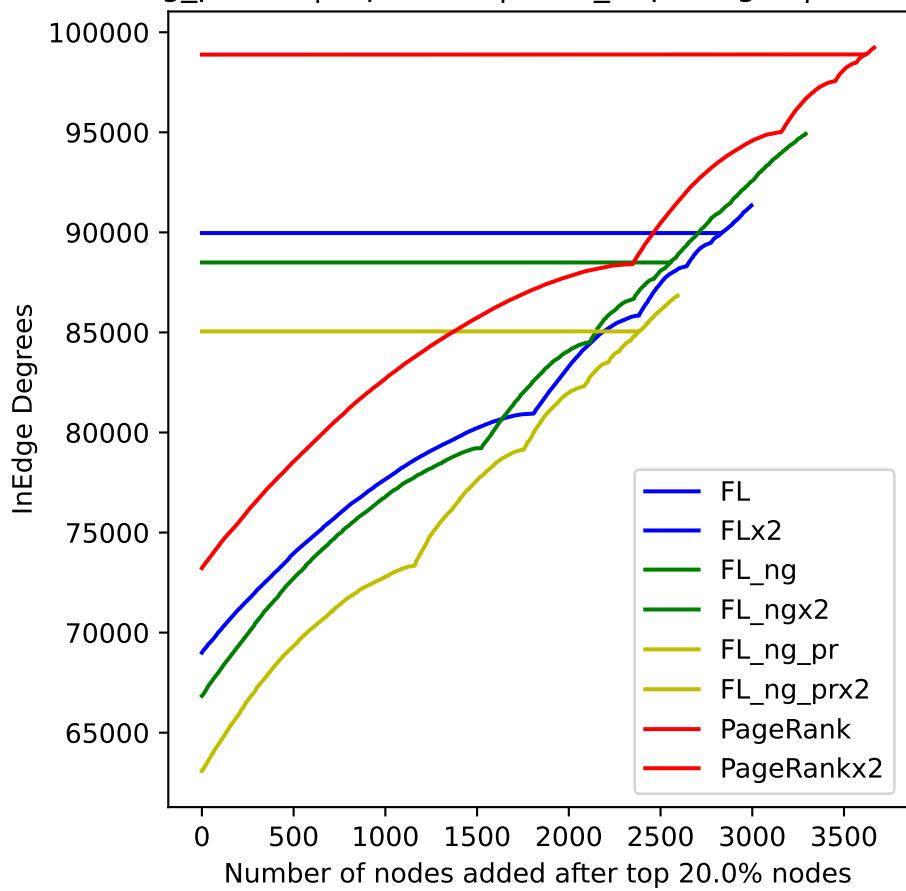
big_patent | top 20.0%| Num_hops: log(n)|res: 0.5|



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



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



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

