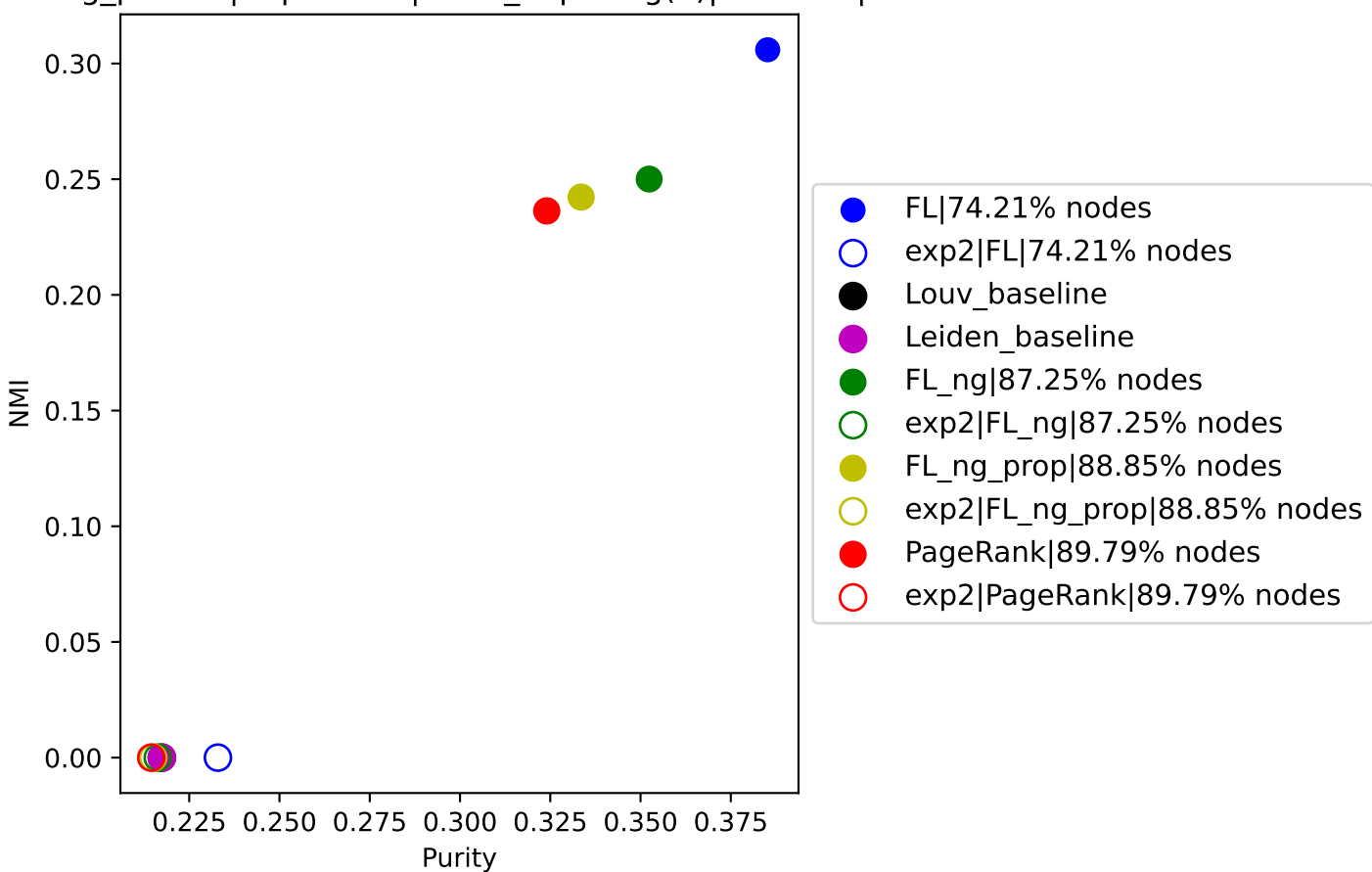
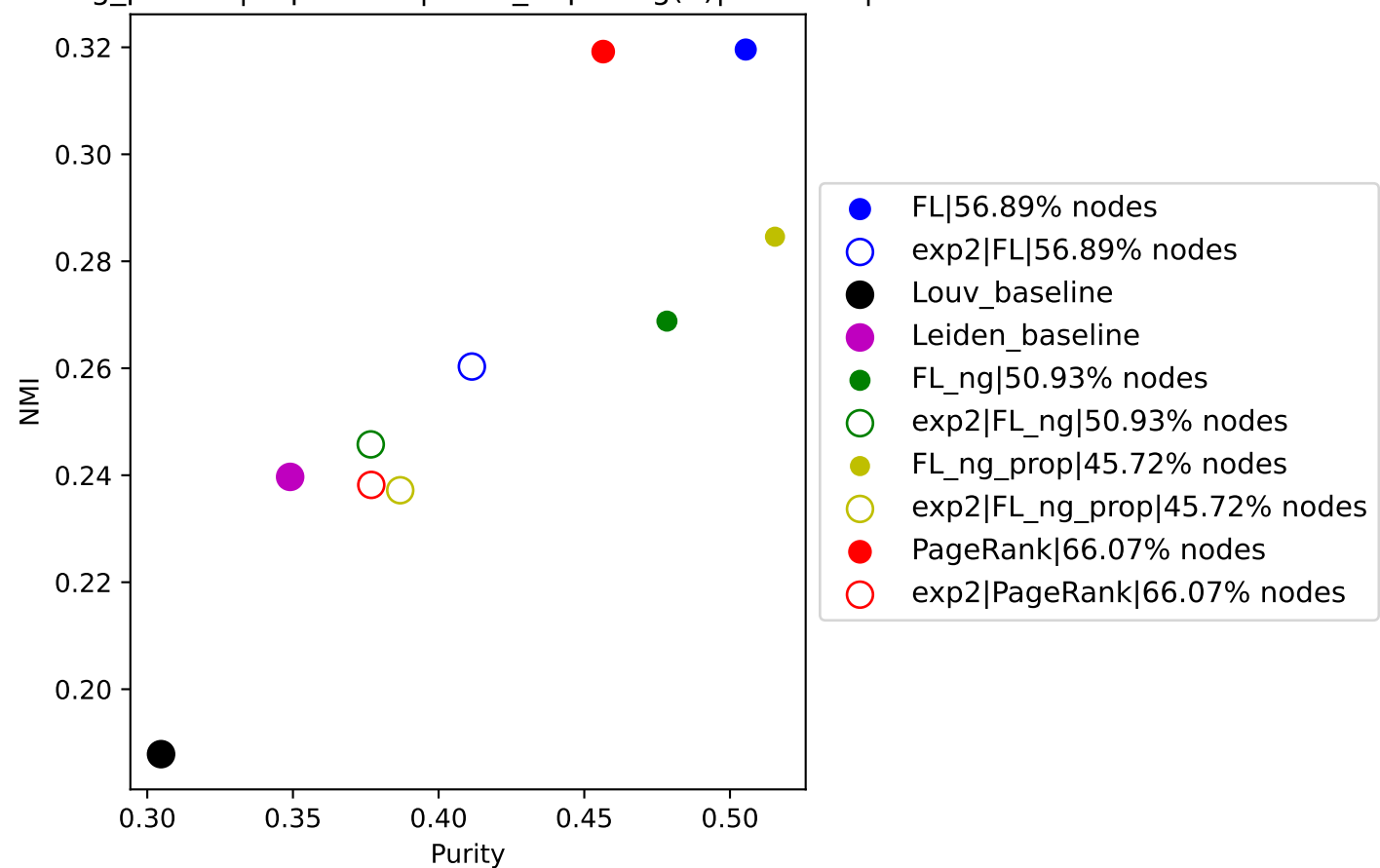


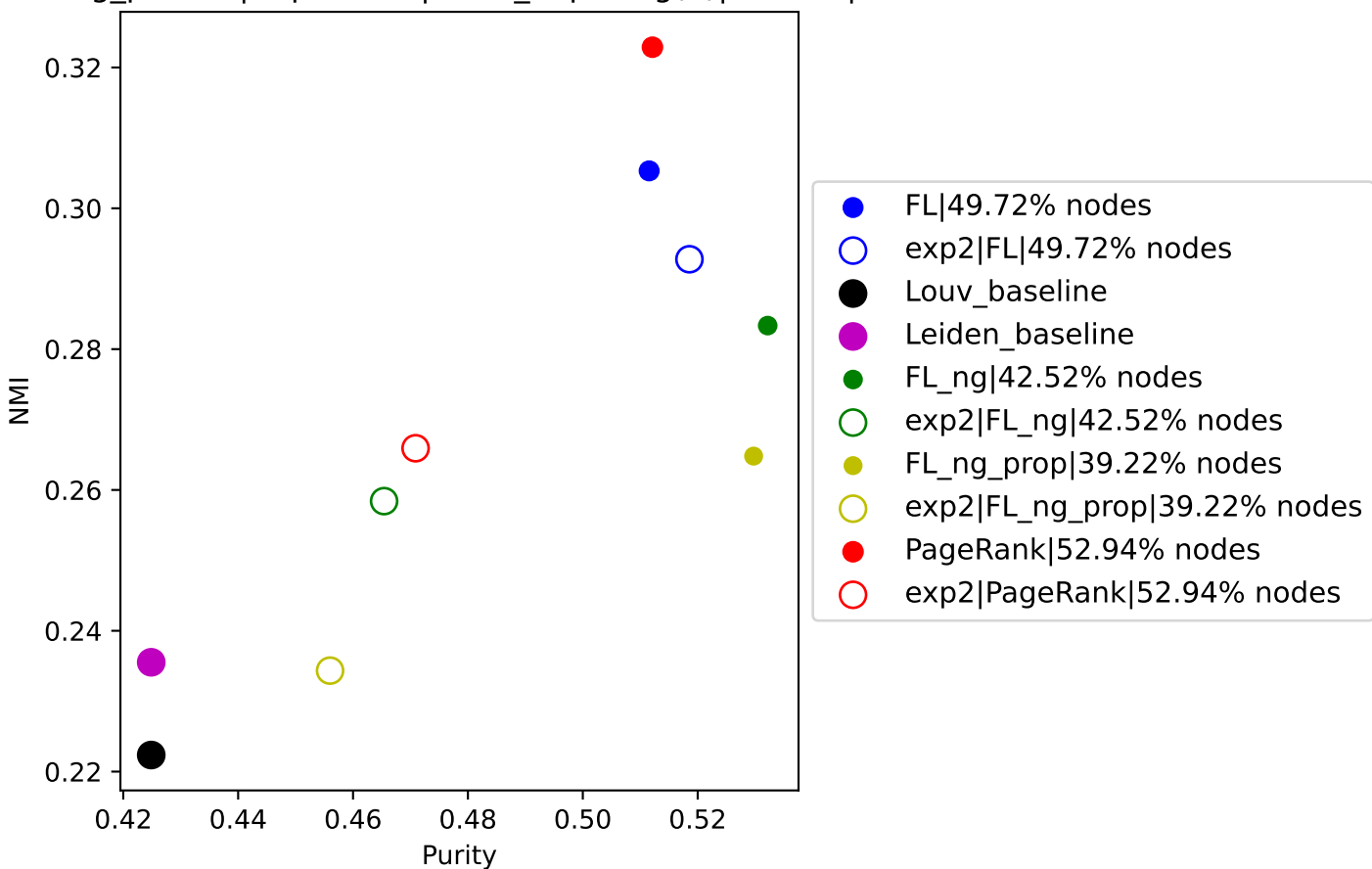
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.05|



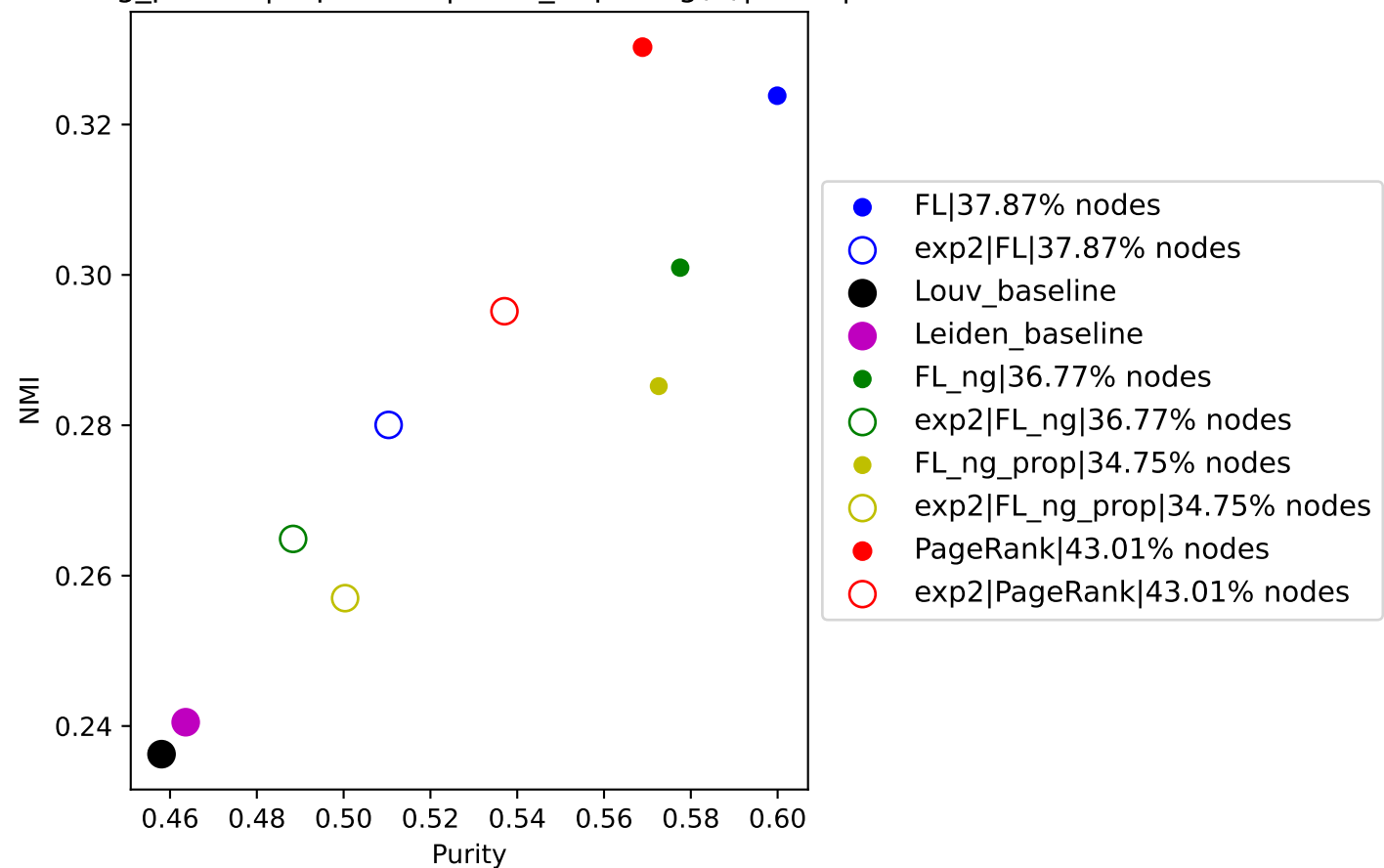
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.25|



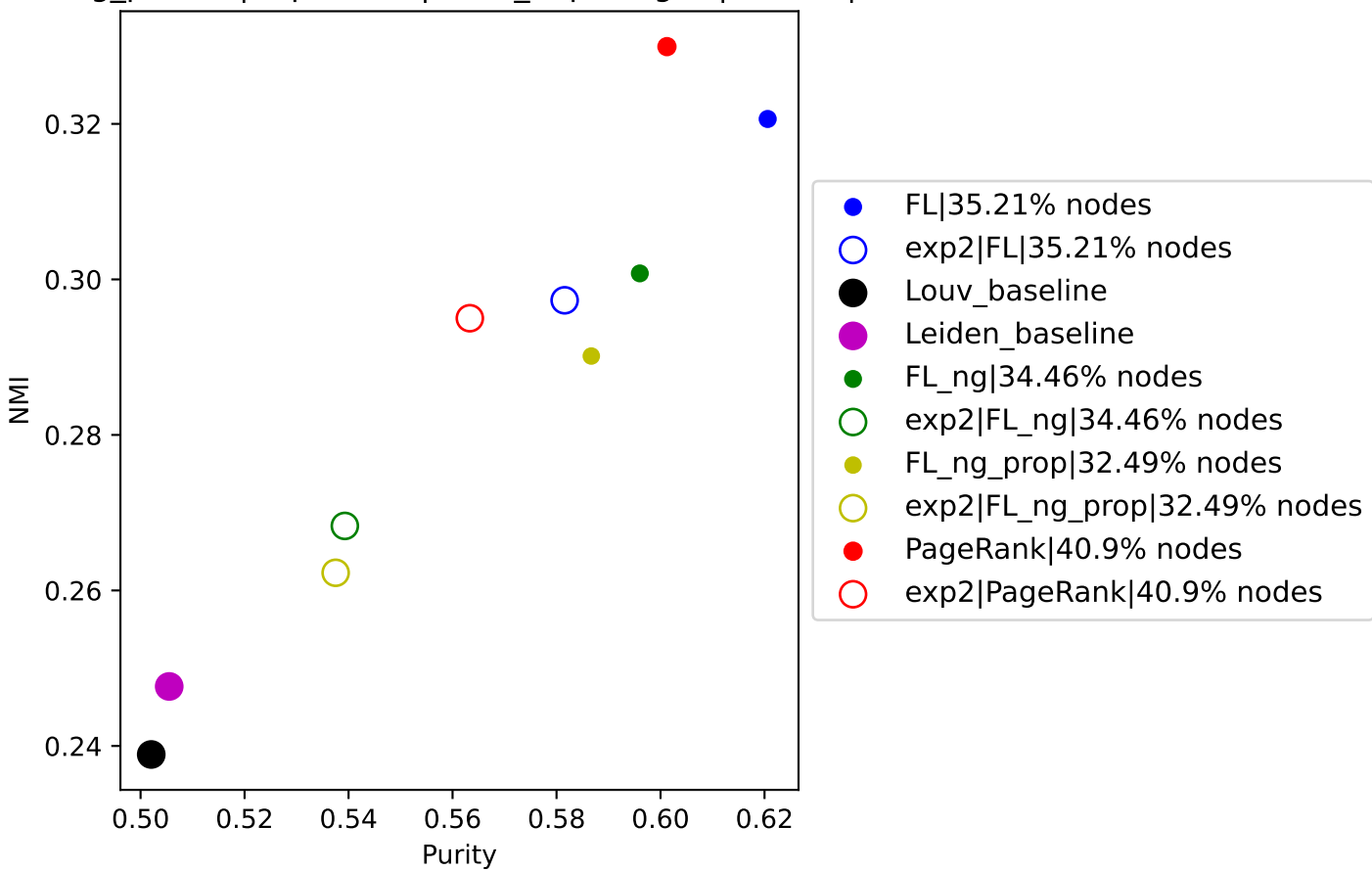
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.5|



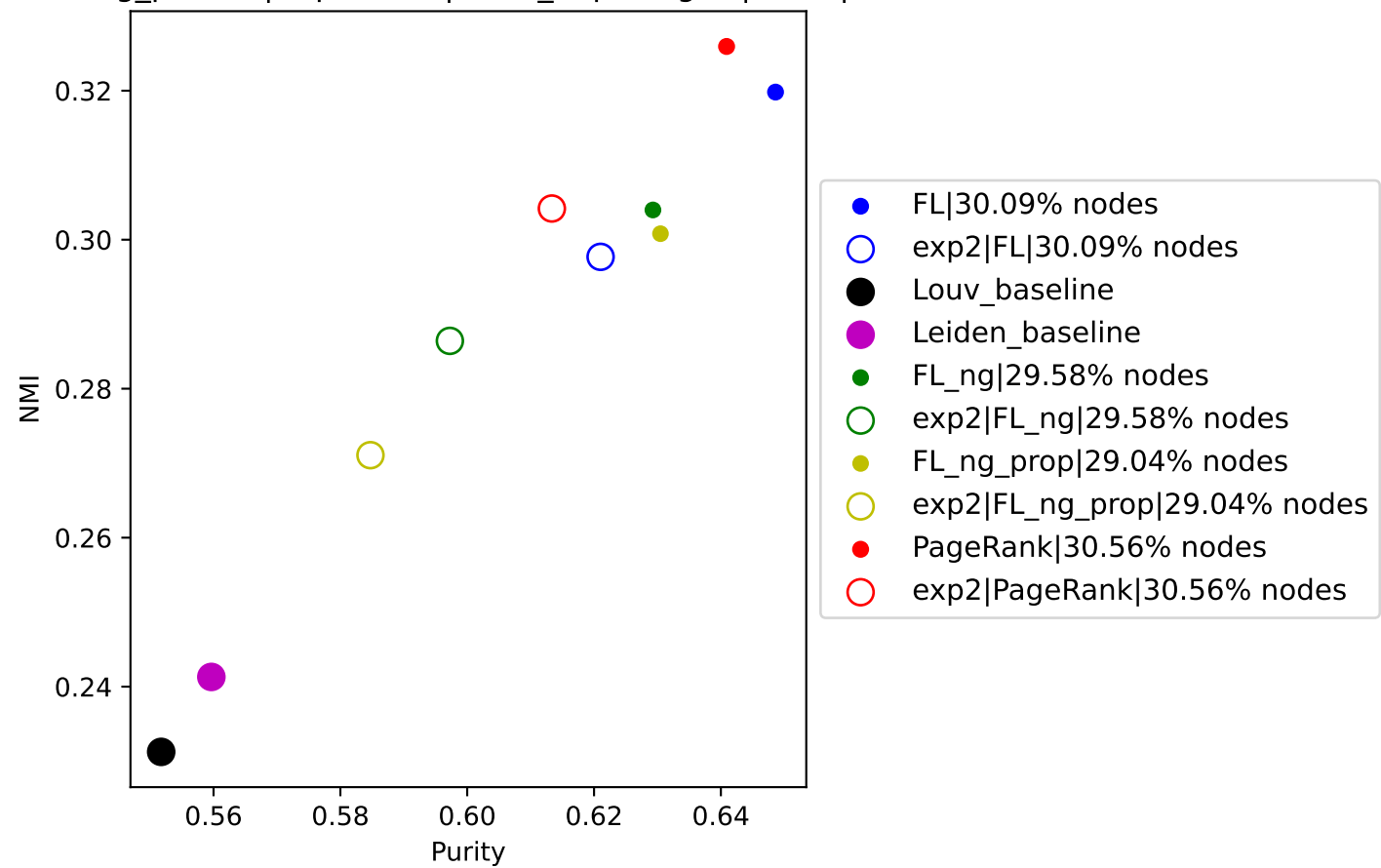
big\_patent | top 20.0%| Num\_hops: log(n)|res: 1|



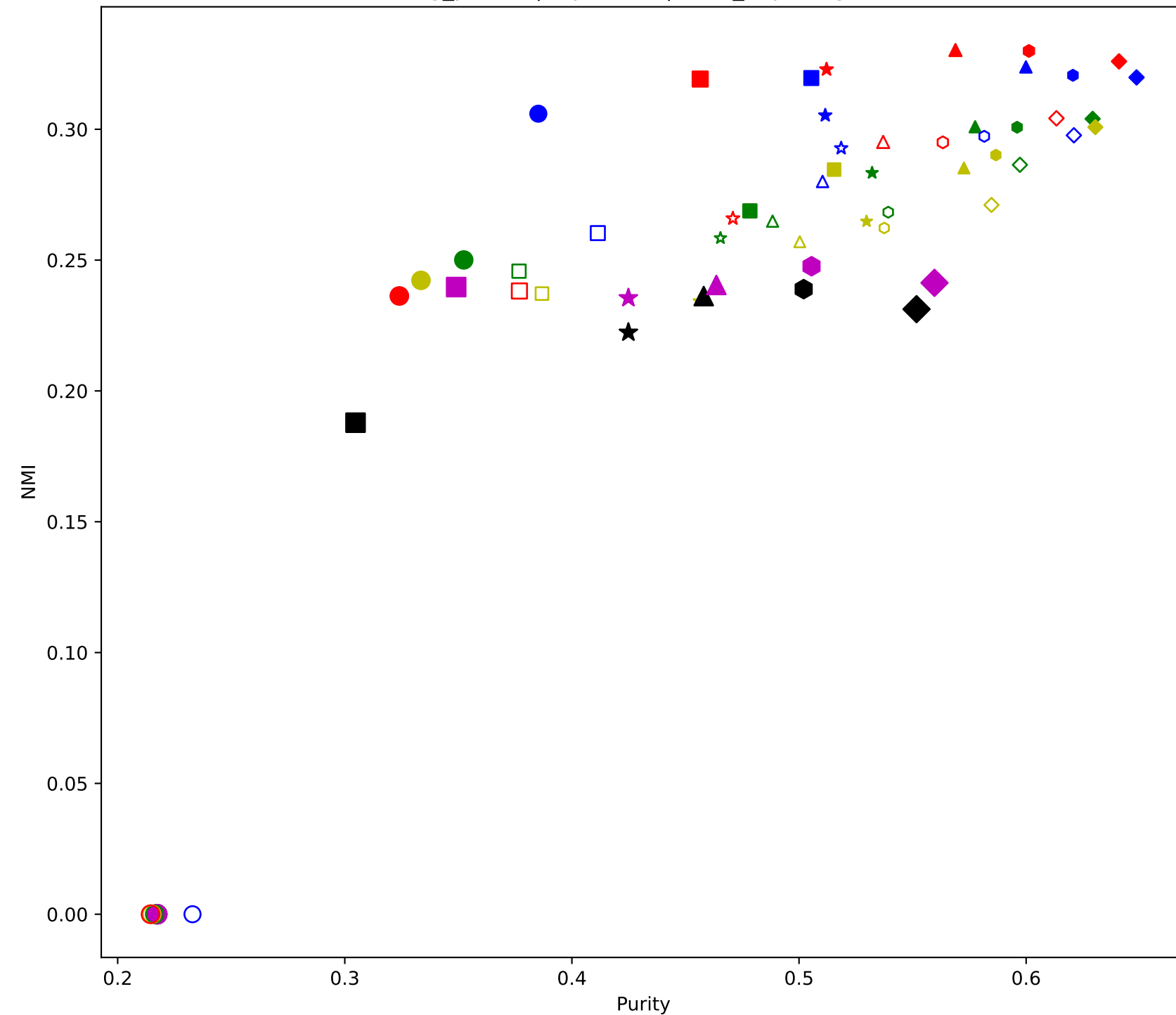
big\_patent | top 20.0%| Num\_hops: log(n)|res: 1.5|



big\_patent | top 20.0%| Num\_hops: log(n)|res: 5|

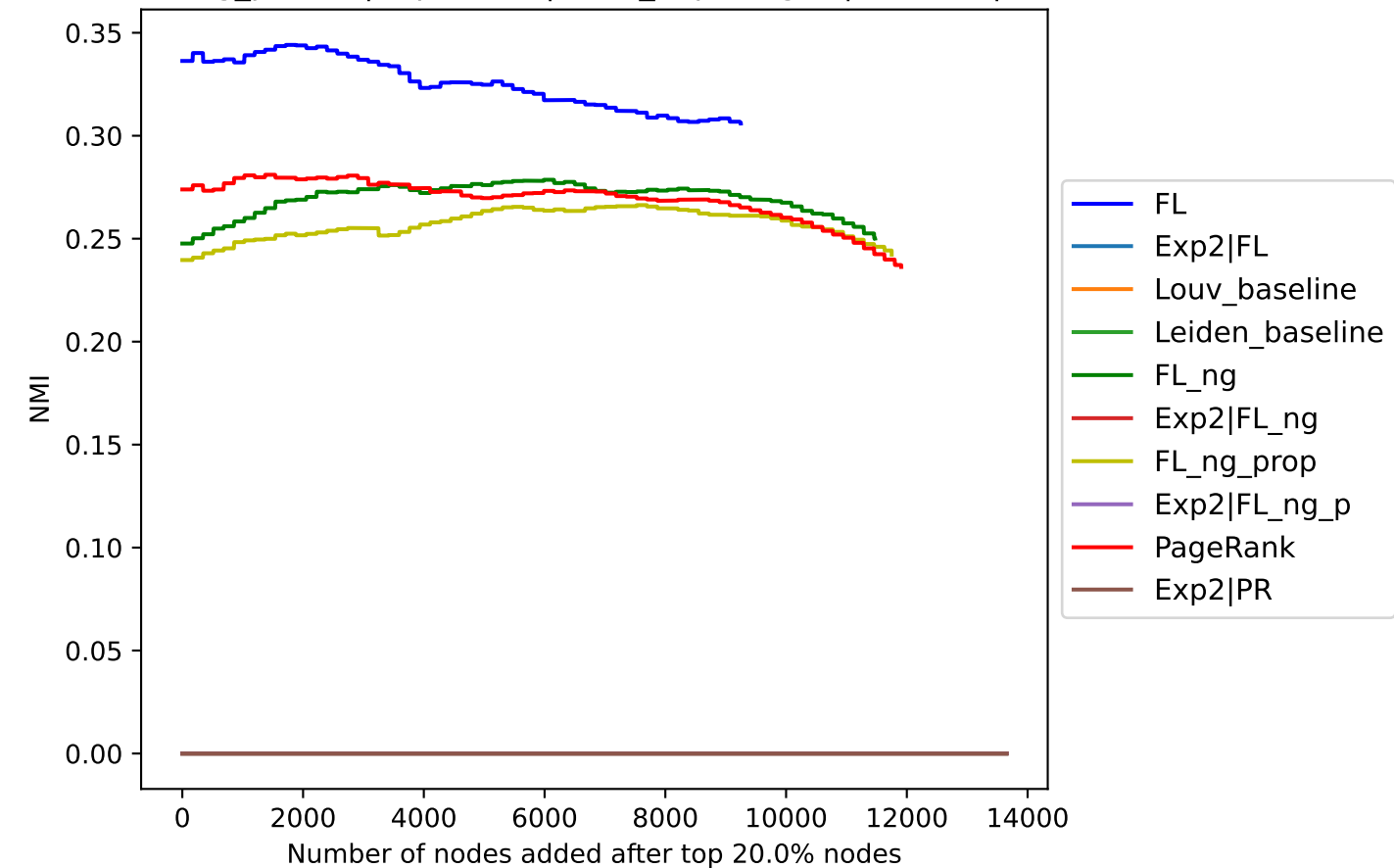


big\_patent | top 20.0%| Num\_hops: log(n)

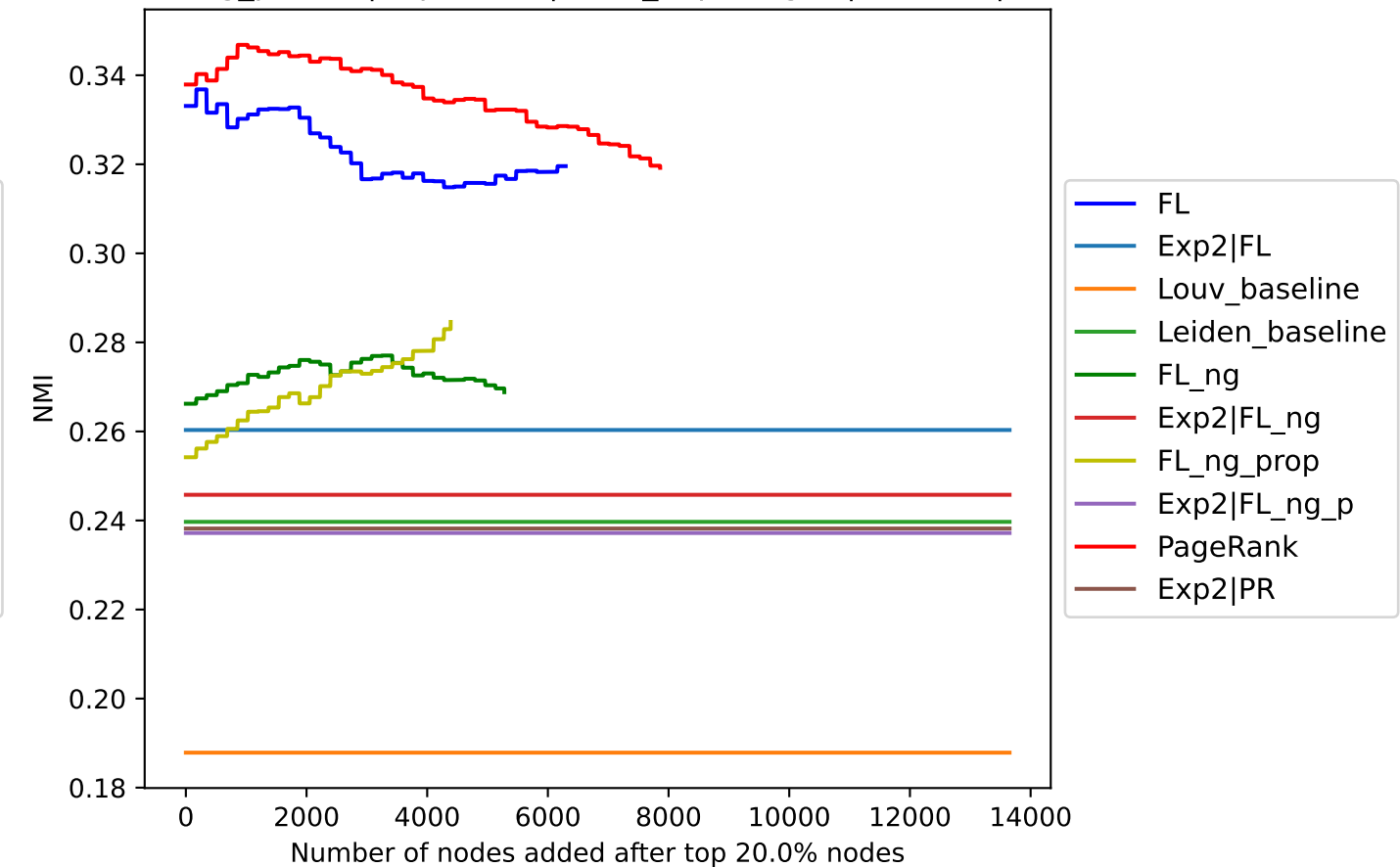


- |                                |                               |
|--------------------------------|-------------------------------|
| ● FL 0.05 74.21% nodes         | ▲ FL 1 37.87% nodes           |
| ○ Exp2 0.05 74.21% nodes       | △ Exp2 1 37.87% nodes         |
| ● Louv_baseline 0.05           | ▲ Louv_baseline 1             |
| ● Leiden_baseline 0.05         | ▲ Leiden_baseline 1           |
| ● FL_ng 0.05 87.25% nodes      | ▲ FL_ng 1 36.77% nodes        |
| ○ Exp2 0.05 87.25% nodes       | △ Exp2 1 36.77% nodes         |
| ● FL_ng_prop 0.05 88.85% nodes | ▲ FL_ng_prop 1 34.75% nodes   |
| ○ Exp2 0.05 88.85% nodes       | △ Exp2 1 34.75% nodes         |
| ● PageRank 0.05 89.79% nodes   | ▲ PageRank 1 43.01% nodes     |
| ○ Exp2 0.05 89.79% nodes       | △ Exp2 1 43.01% nodes         |
| ■ FL 0.25 56.89% nodes         | ● FL 1.5 35.21% nodes         |
| □ Exp2 0.25 56.89% nodes       | ○ Exp2 1.5 35.21% nodes       |
| ■ Louv_baseline 0.25           | ● Louv_baseline 1.5           |
| ■ Leiden_baseline 0.25         | ● Leiden_baseline 1.5         |
| ■ FL_ng 0.25 50.93% nodes      | ● FL_ng 1.5 34.46% nodes      |
| □ Exp2 0.25 50.93% nodes       | ○ Exp2 1.5 34.46% nodes       |
| ■ FL_ng_prop 0.25 45.72% nodes | ● FL_ng_prop 1.5 32.49% nodes |
| □ Exp2 0.25 45.72% nodes       | ○ Exp2 1.5 32.49% nodes       |
| ■ PageRank 0.25 66.07% nodes   | ● PageRank 1.5 40.9% nodes    |
| □ Exp2 0.25 66.07% nodes       | ○ Exp2 1.5 40.9% nodes        |
| ★ FL 0.5 49.72% nodes          | ◆ FL 5 30.09% nodes           |
| ★ Exp2 0.5 49.72% nodes        | ◆ Exp2 5 30.09% nodes         |
| ★ Louv_baseline 0.5            | ◆ Louv_baseline 5             |
| ★ Leiden_baseline 0.5          | ◆ Leiden_baseline 5           |
| ★ FL_ng 0.5 42.52% nodes       | ◆ FL_ng 5 29.58% nodes        |
| ★ Exp2 0.5 42.52% nodes        | ◆ Exp2 5 29.58% nodes         |
| ★ FL_ng_prop 0.5 39.22% nodes  | ◆ FL_ng_prop 5 29.04% nodes   |
| ★ Exp2 0.5 39.22% nodes        | ◆ Exp2 5 29.04% nodes         |
| ★ PageRank 0.5 52.94% nodes    | ◆ PageRank 5 30.56% nodes     |
| ★ Exp2 0.5 52.94% nodes        | ◆ Exp2 5 30.56% nodes         |

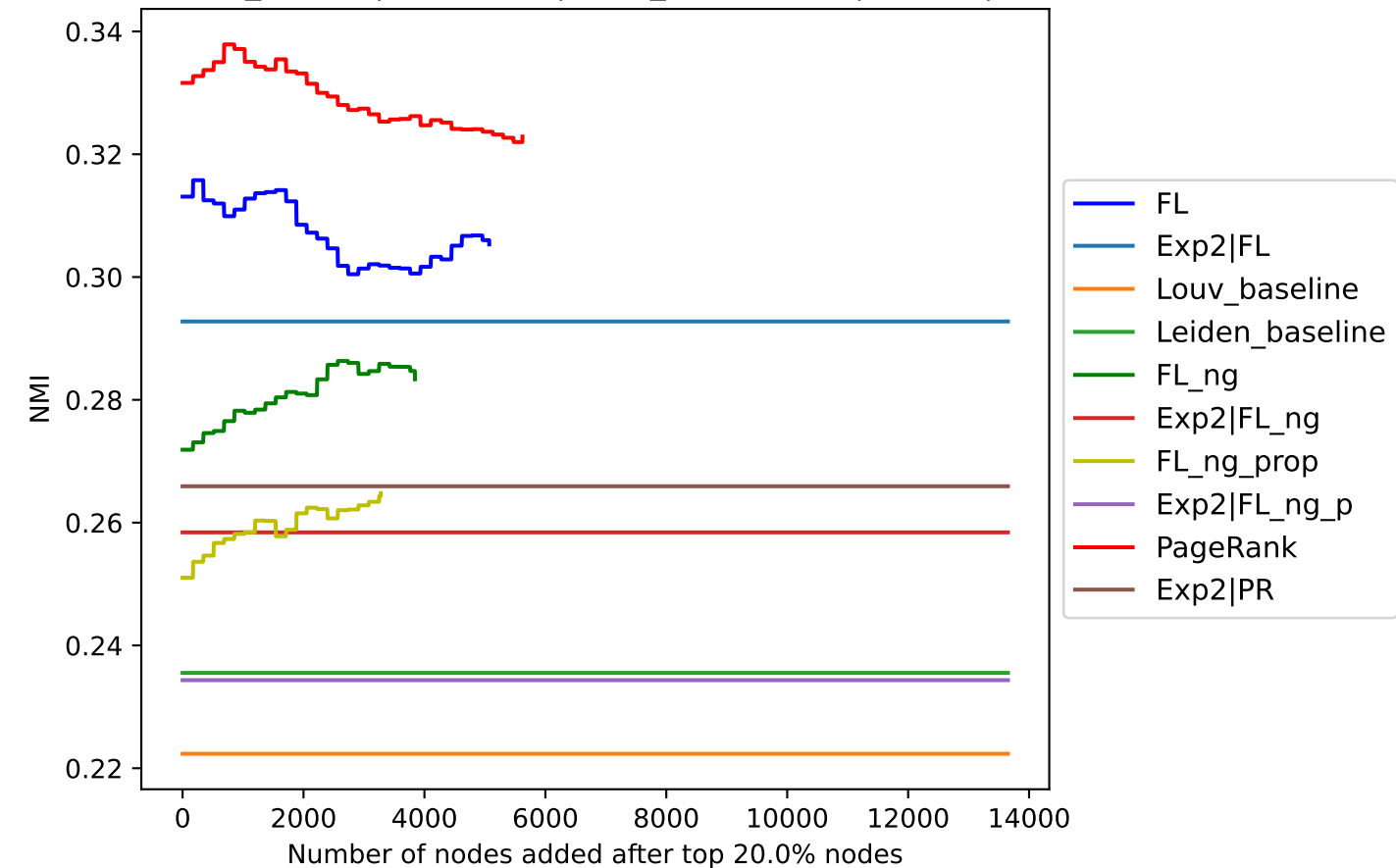
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.05|



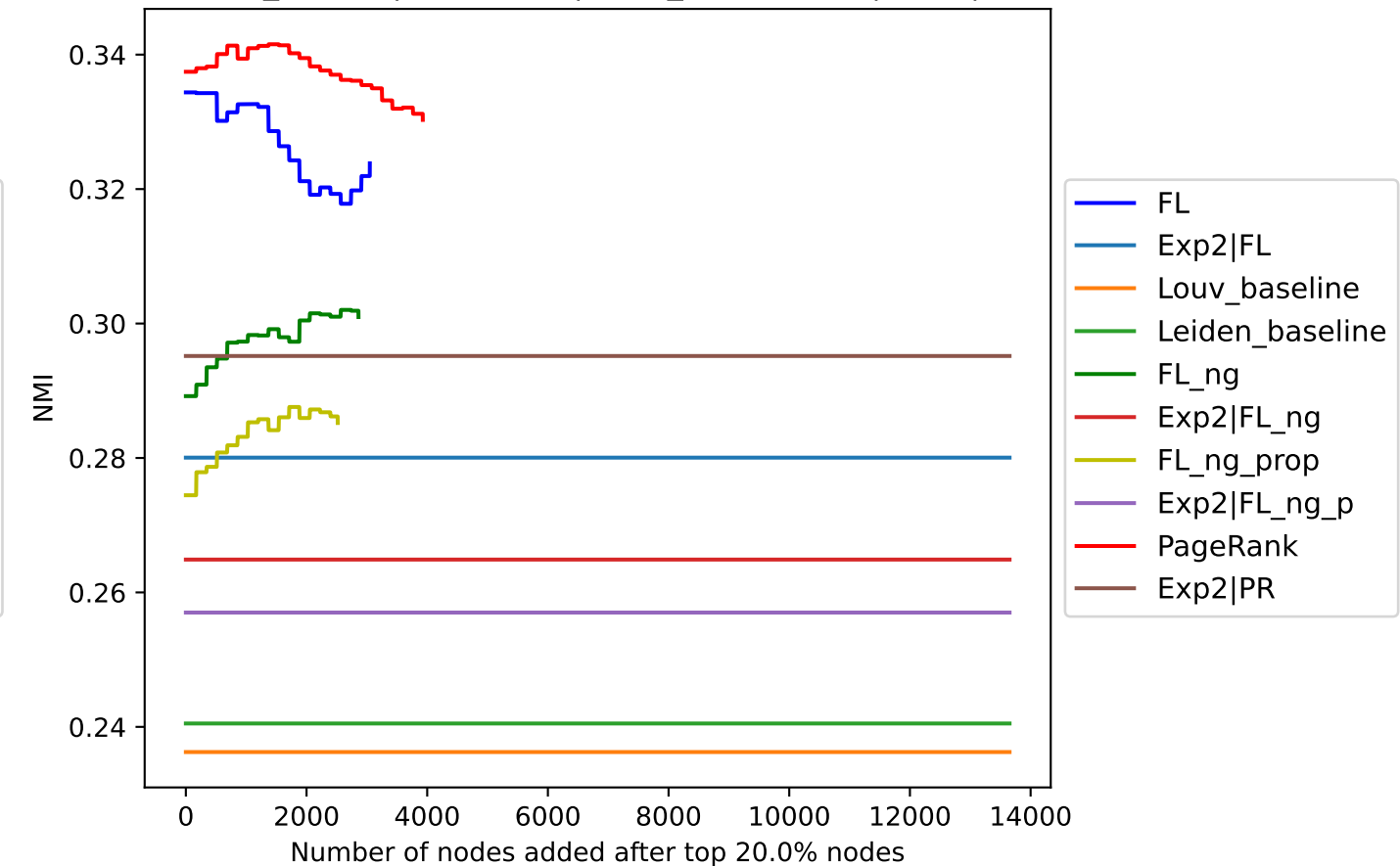
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.25|



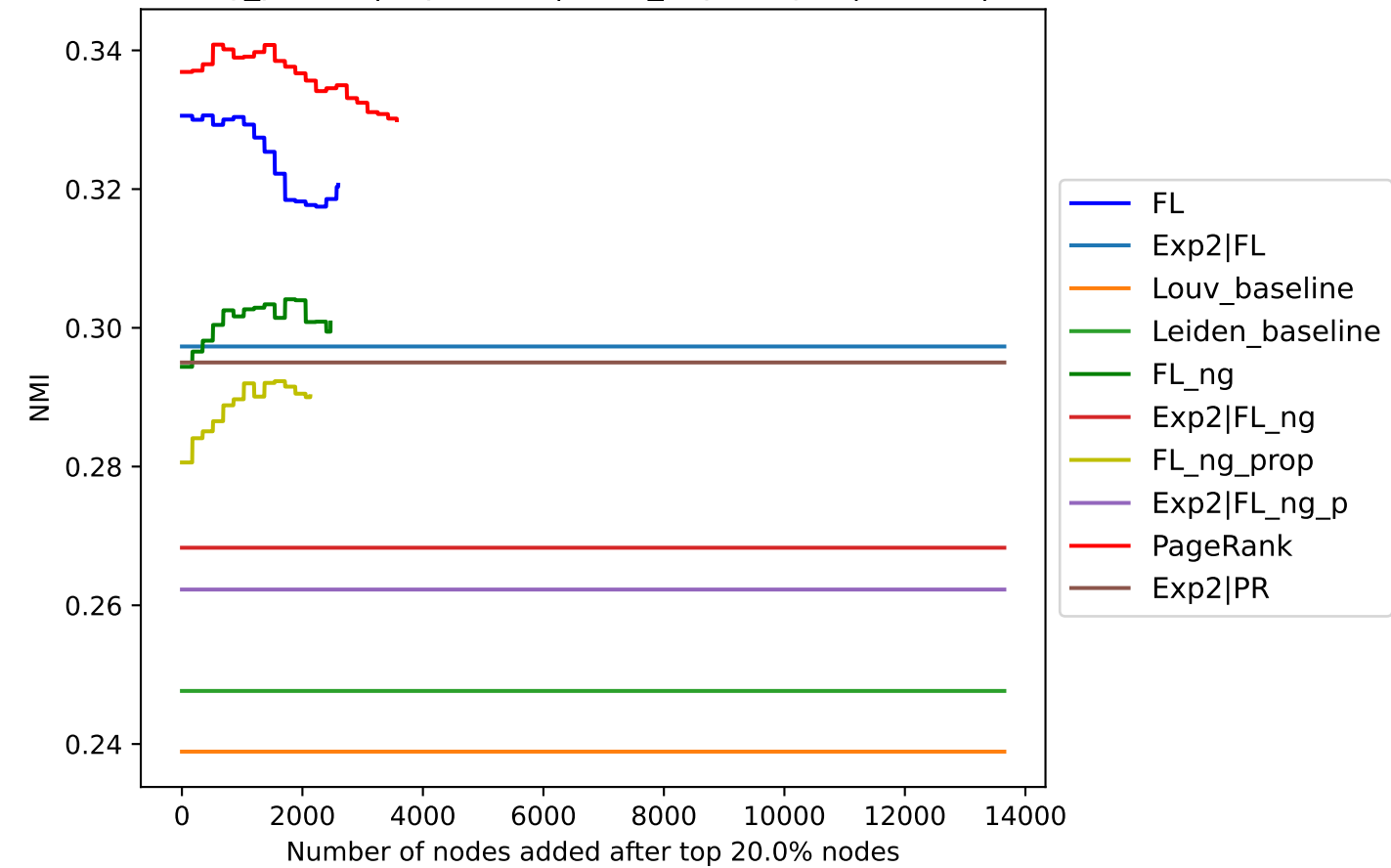
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.5|



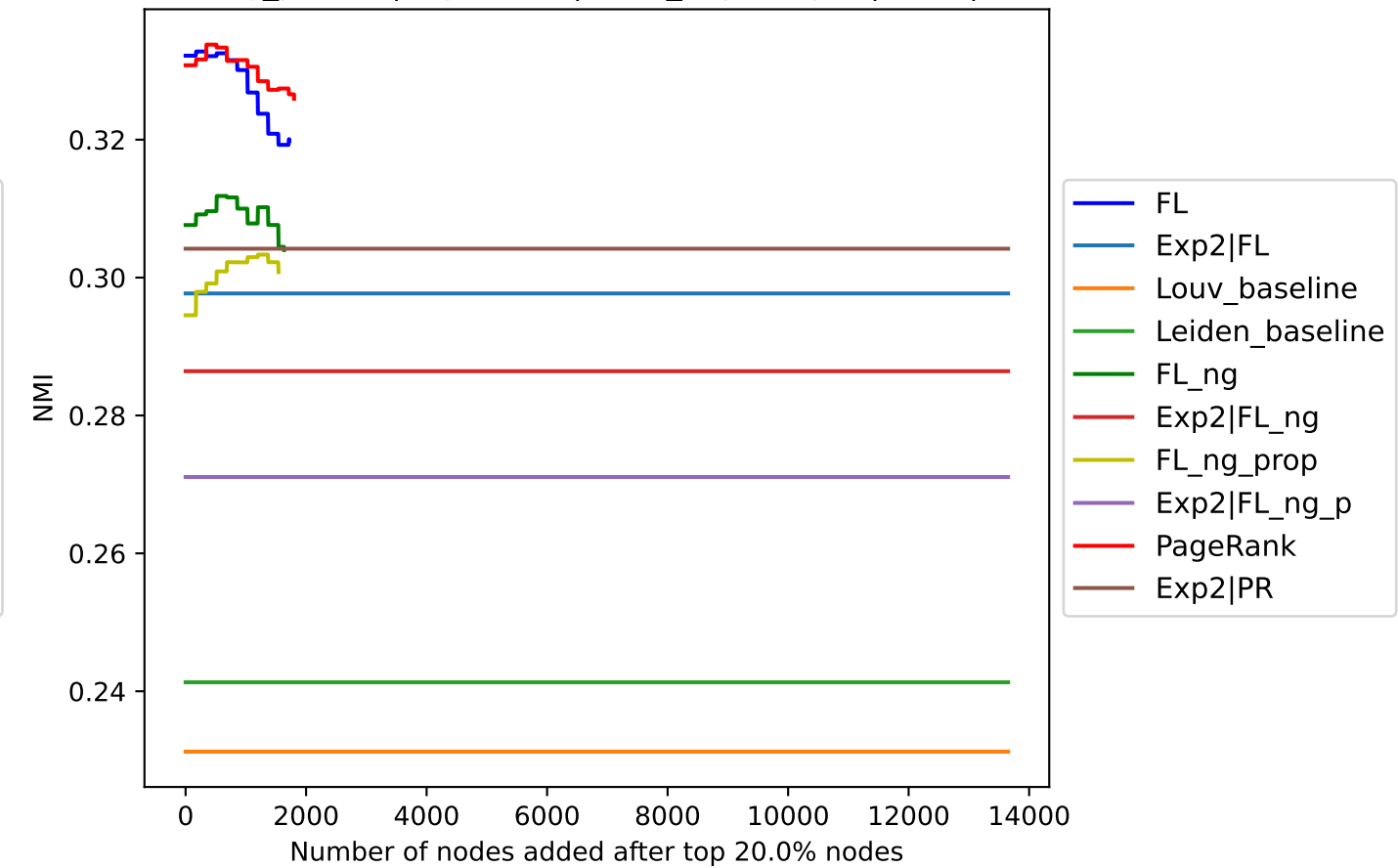
big\_patent | top 20.0%| Num\_hops: log(n)|res: 1|



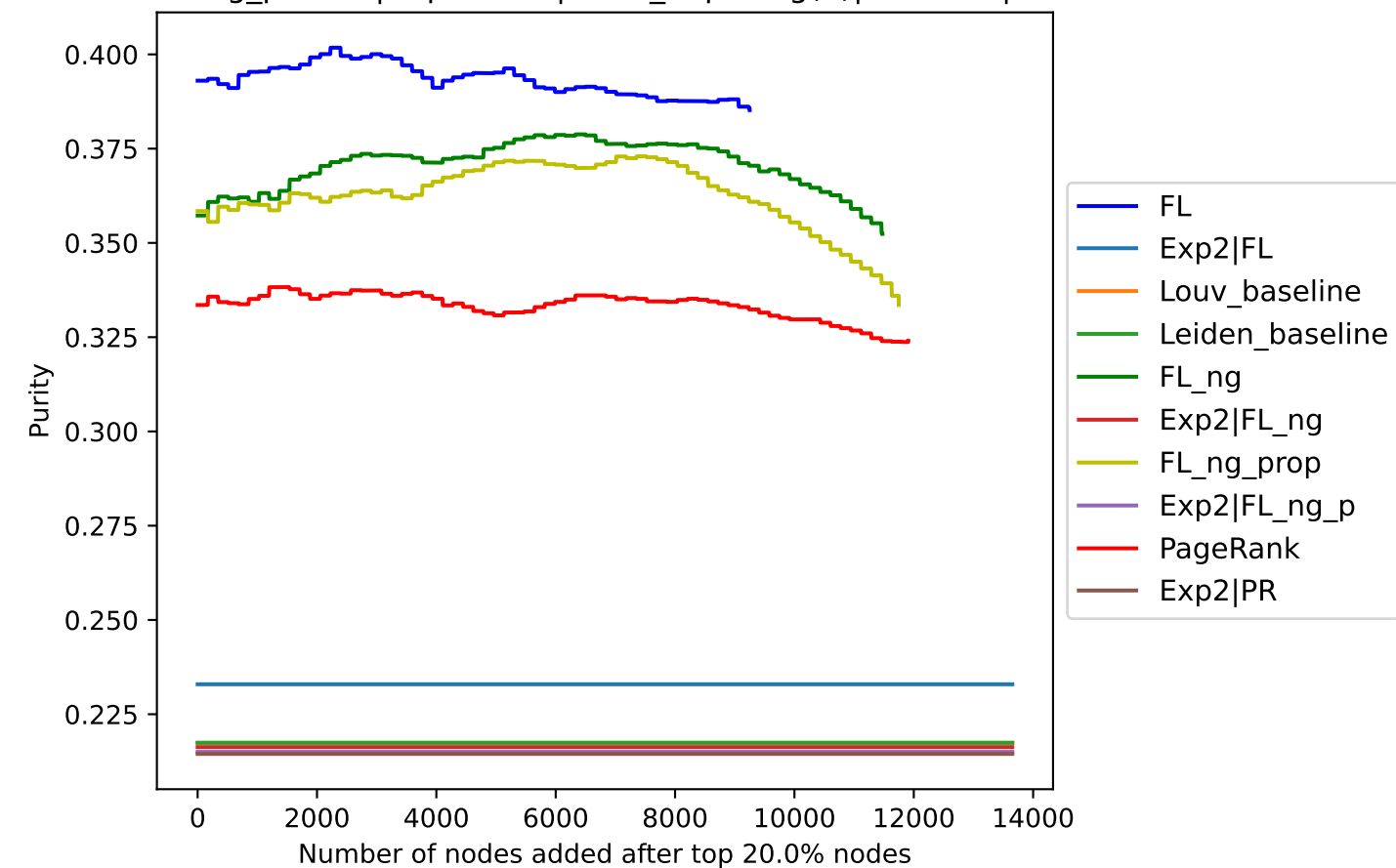
big\_patent | top 20.0%| Num\_hops: log(n)|res: 1.5|



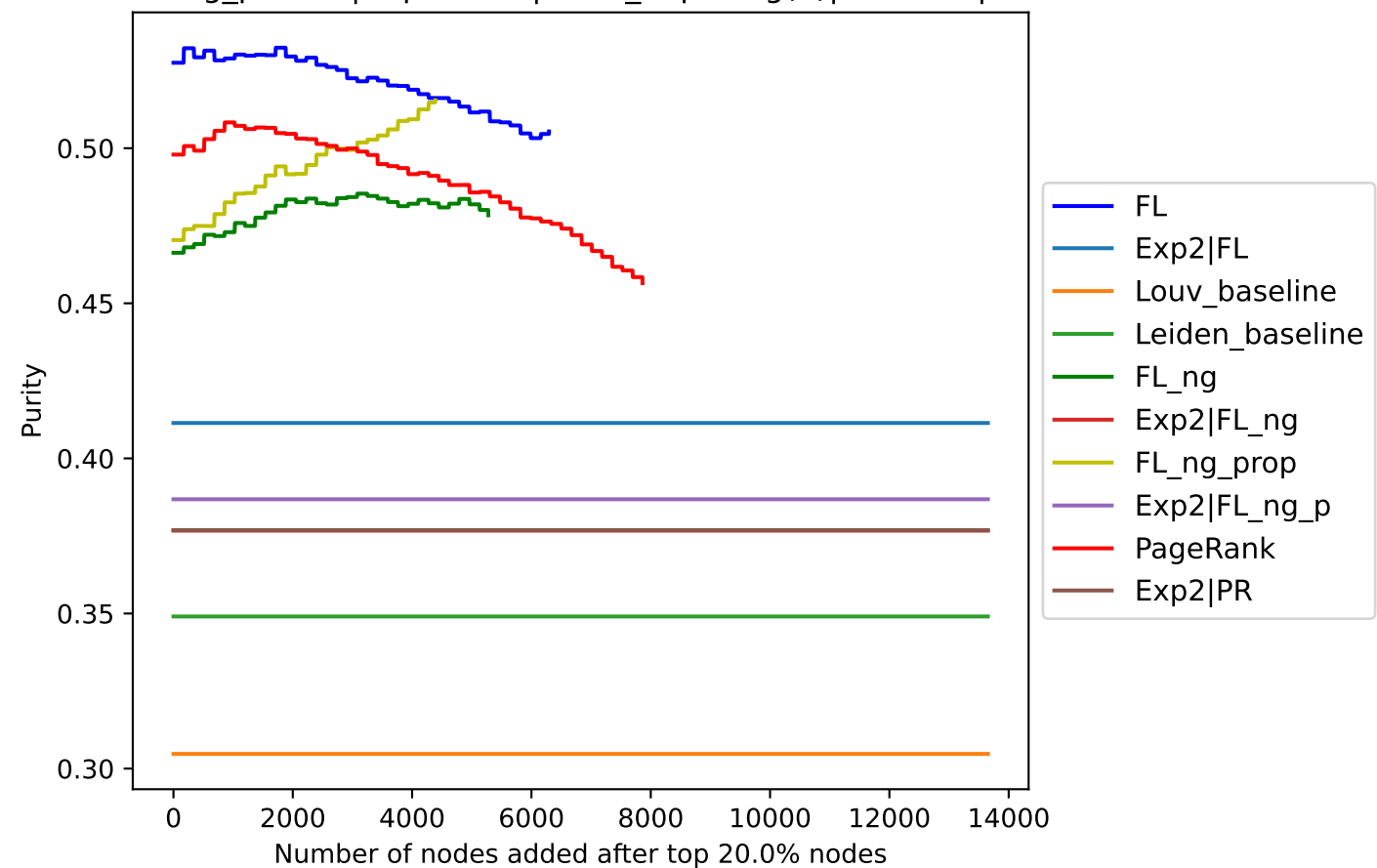
big\_patent | top 20.0%| Num\_hops: log(n)|res: 5|



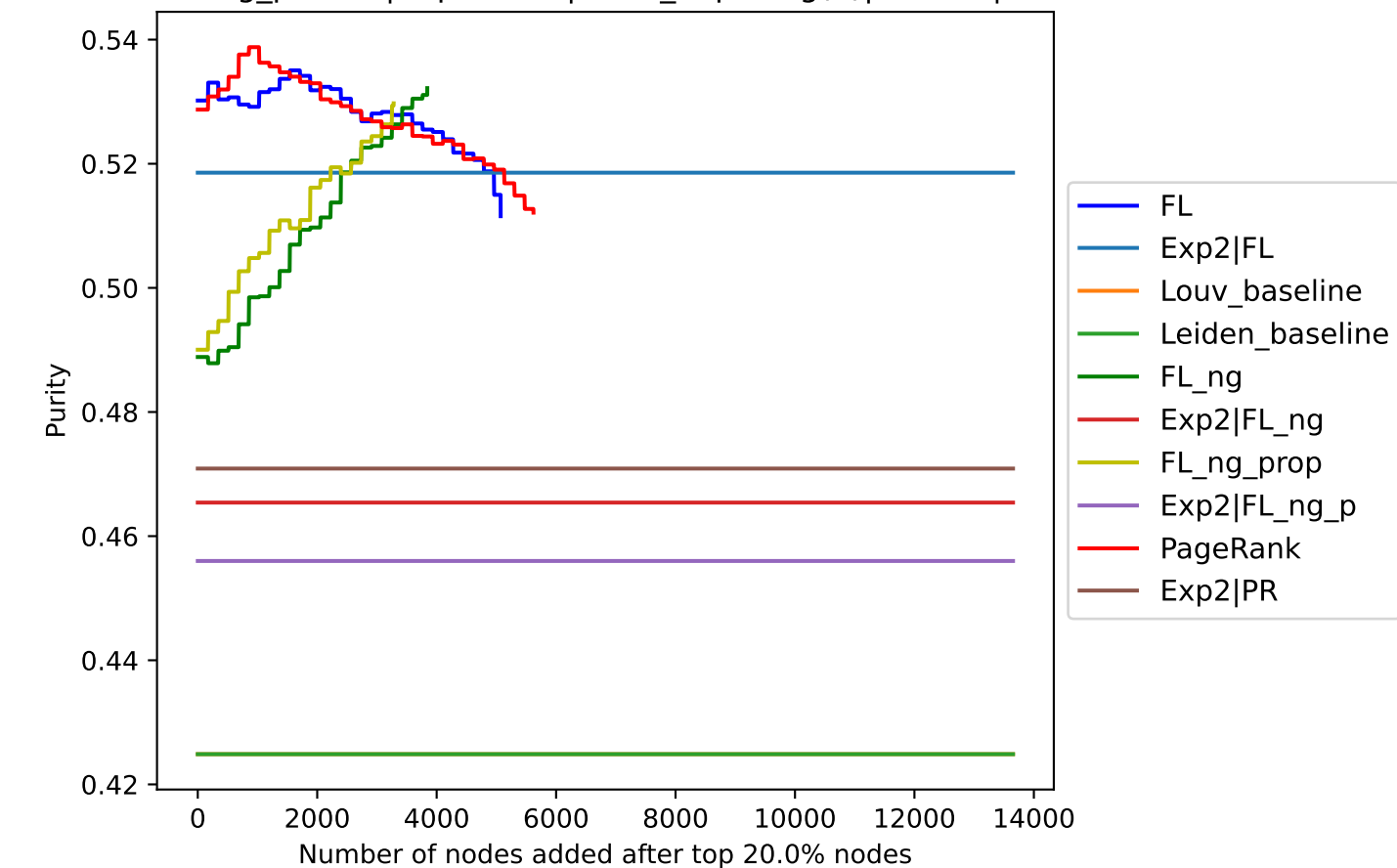
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.05|



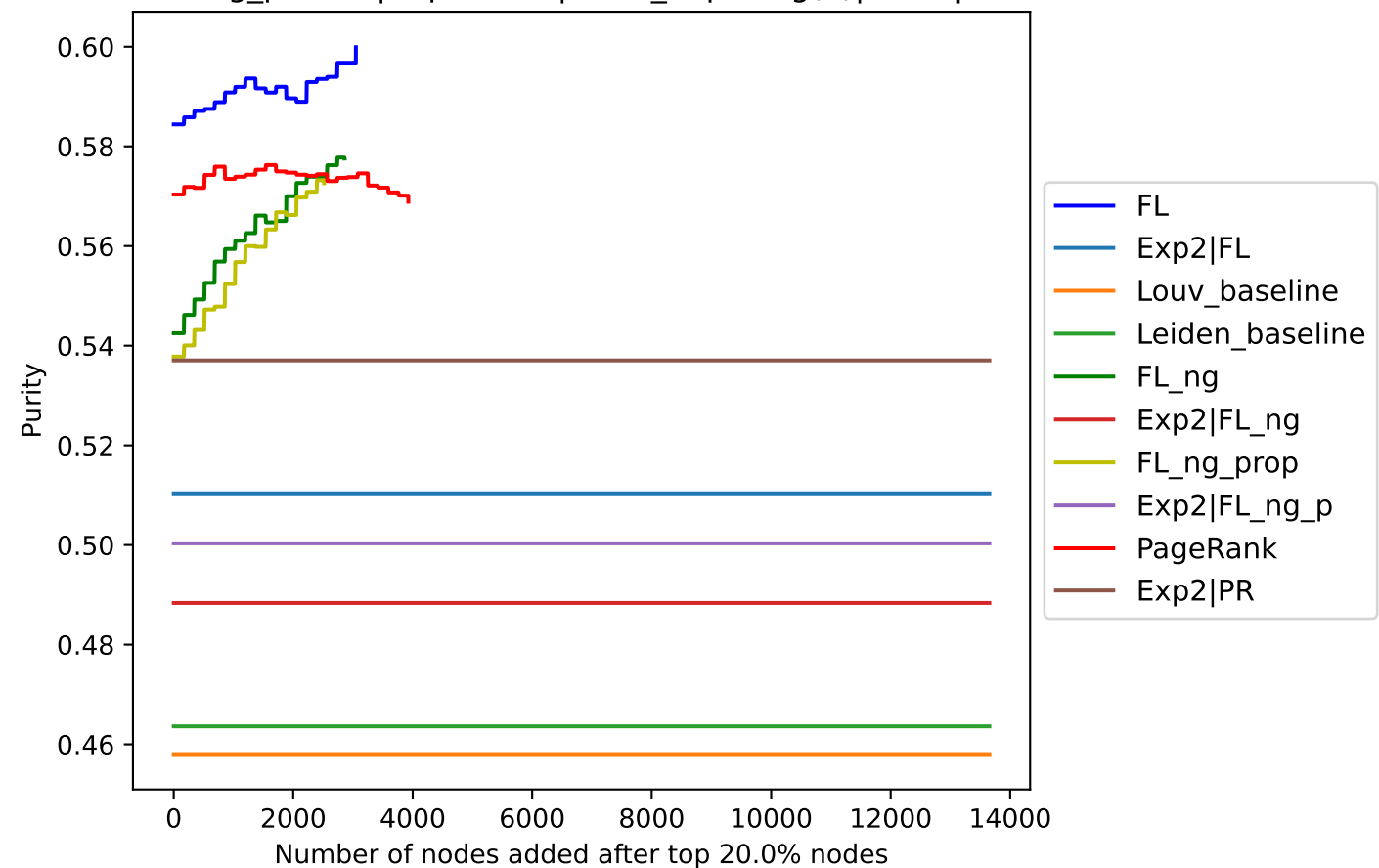
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.25|



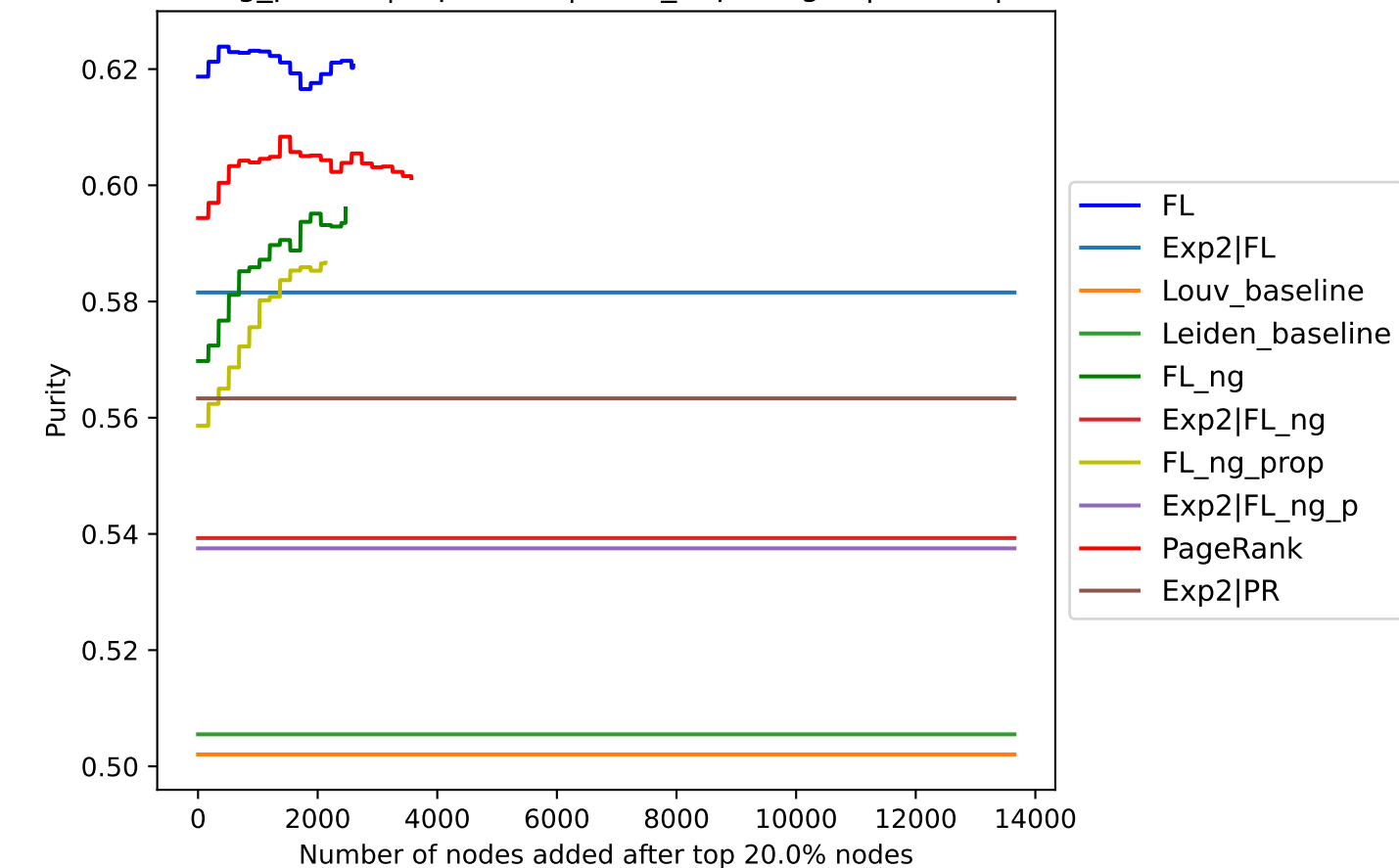
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.5|



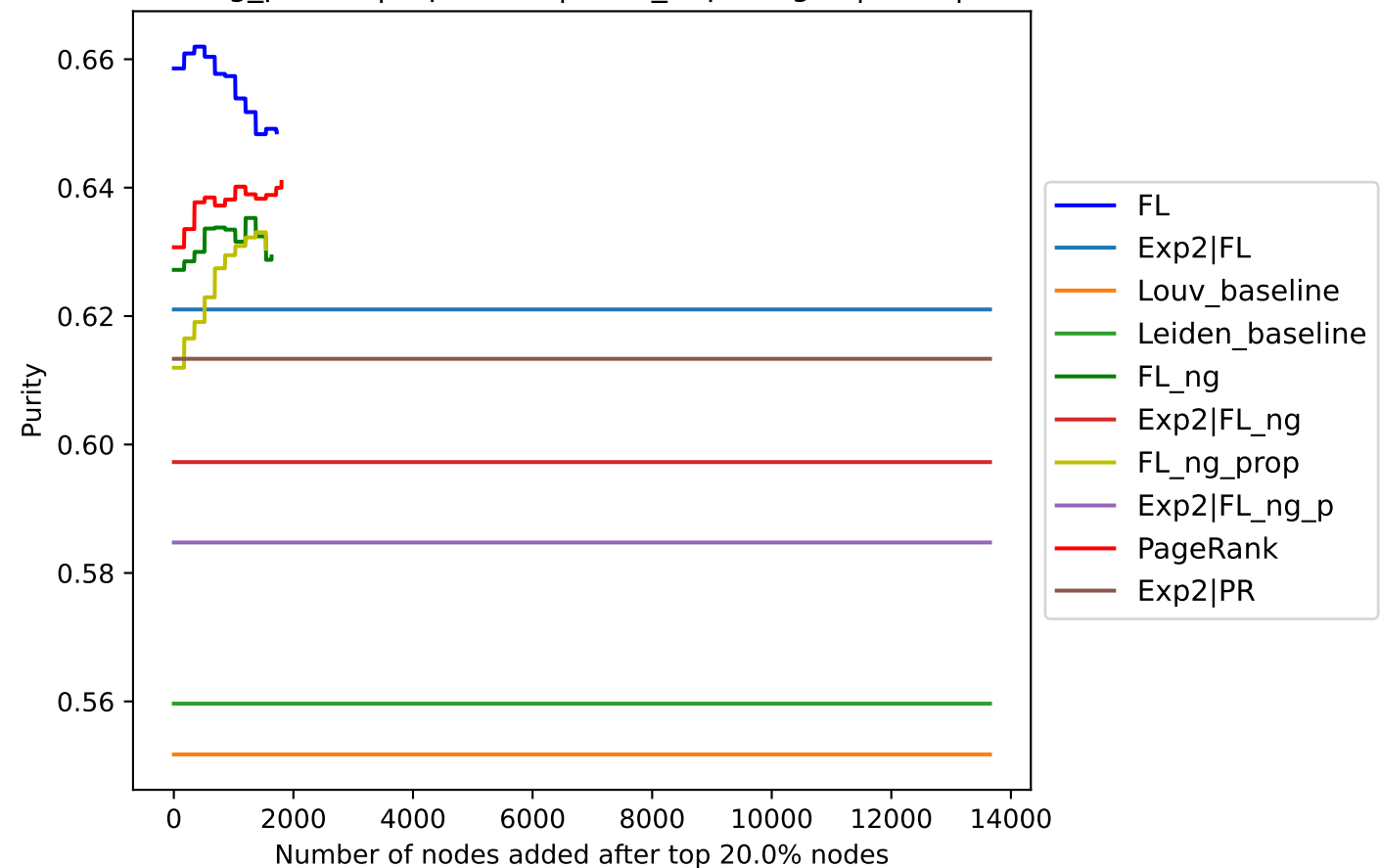
big\_patent | top 20.0%| Num\_hops: log(n)|res: 1|



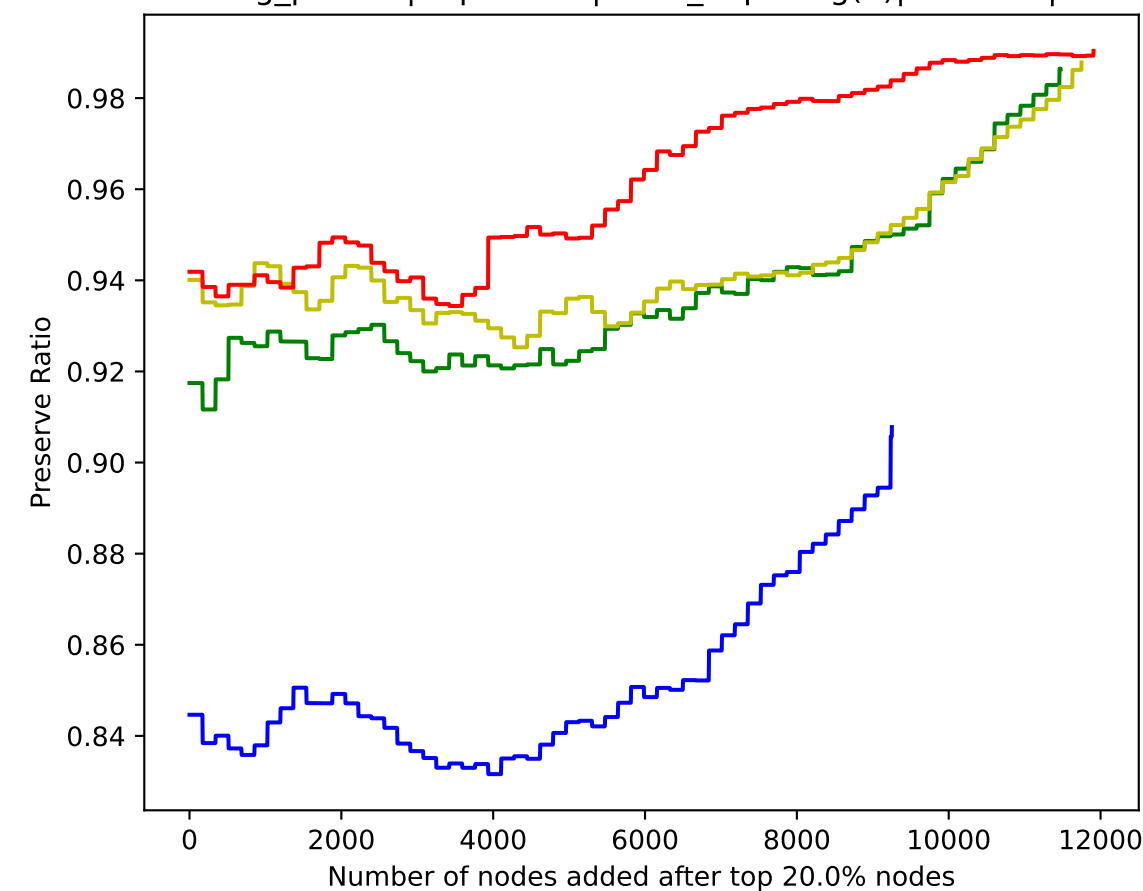
big\_patent | top 20.0%| Num\_hops: log(n)|res: 1.5|



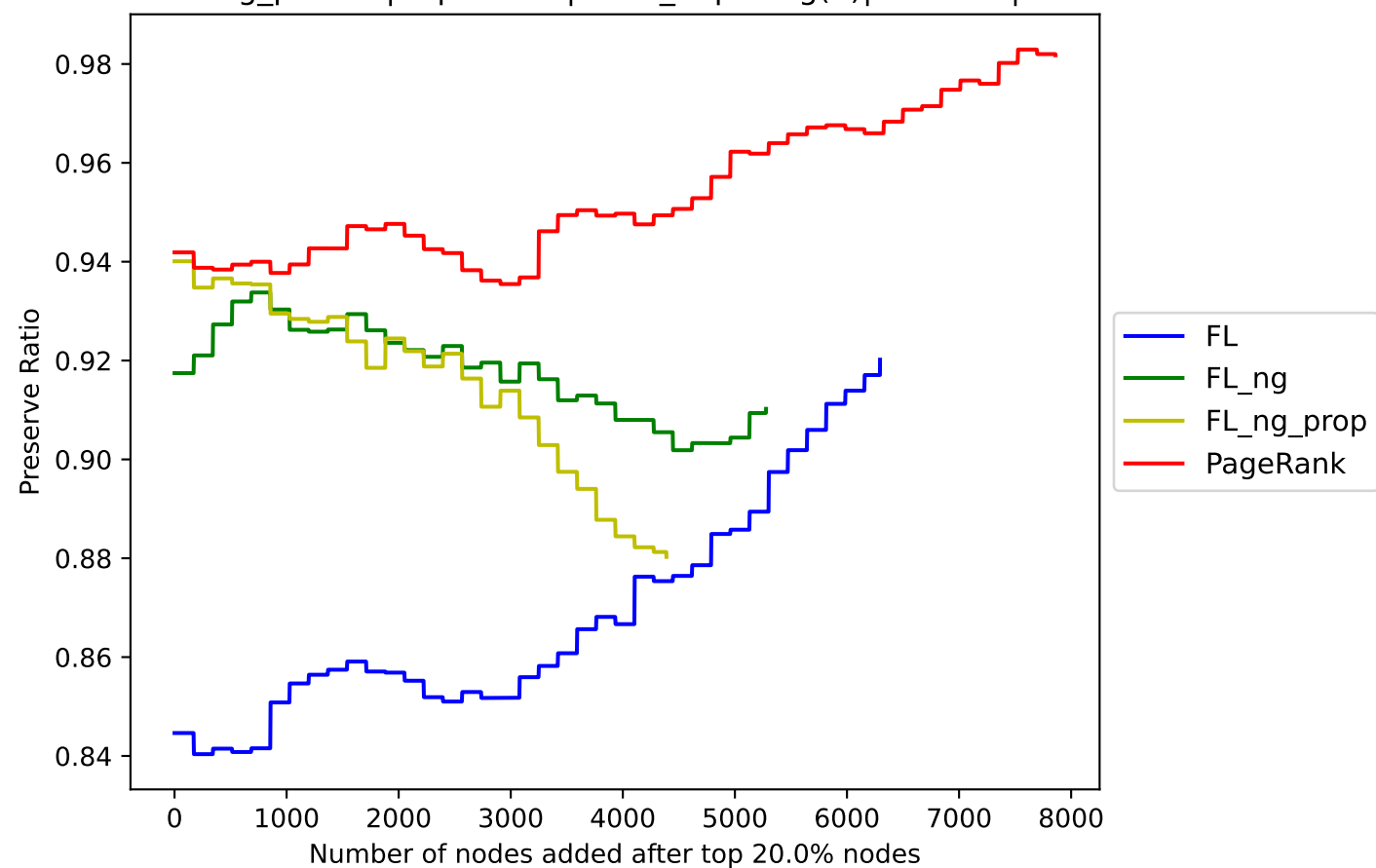
big\_patent | top 20.0%| Num\_hops: log(n)|res: 5|



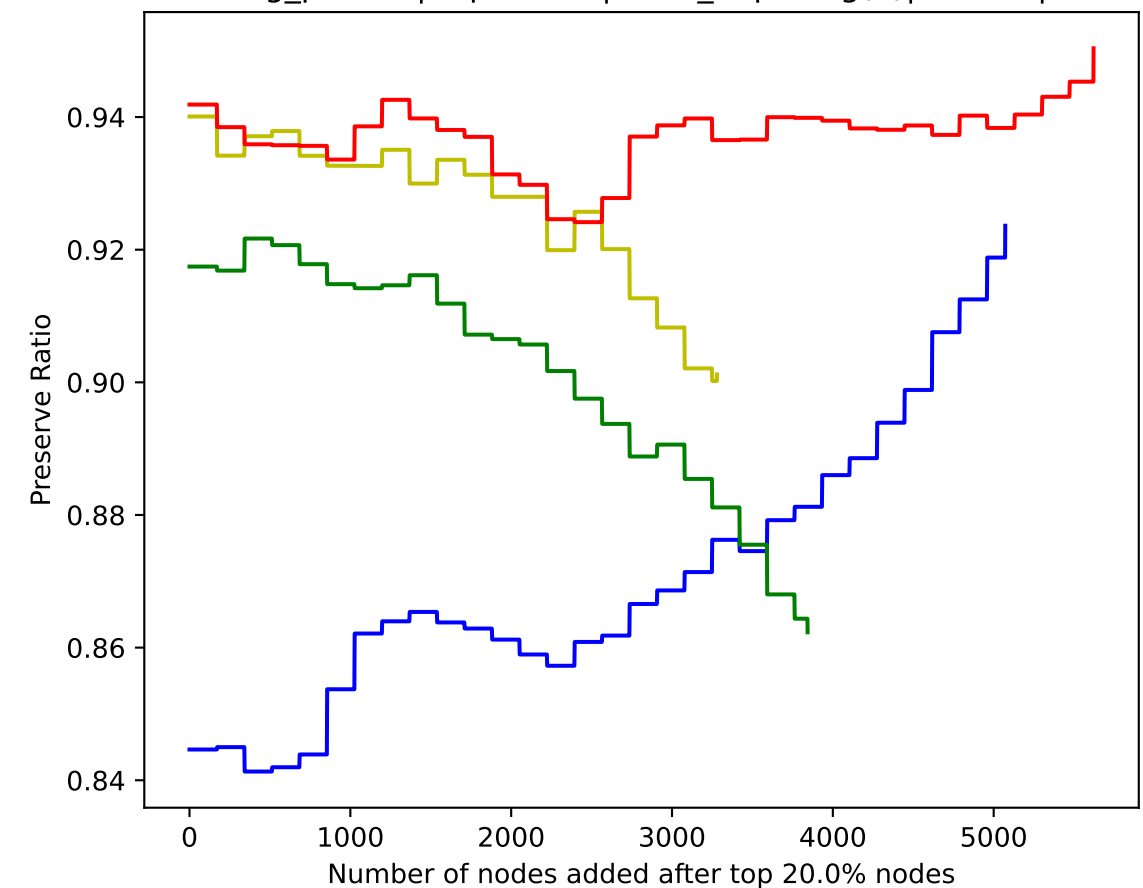
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.05|



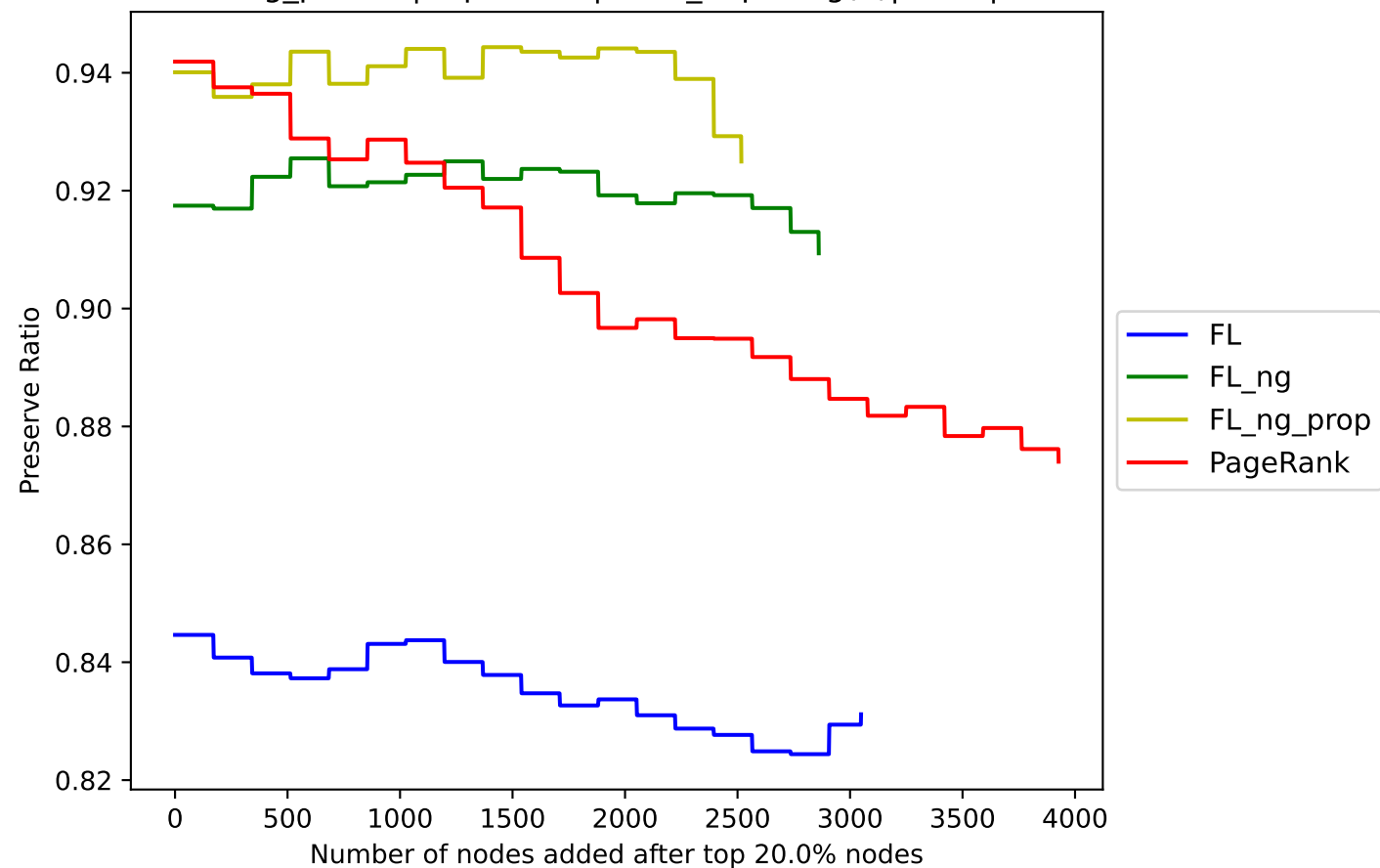
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.25|



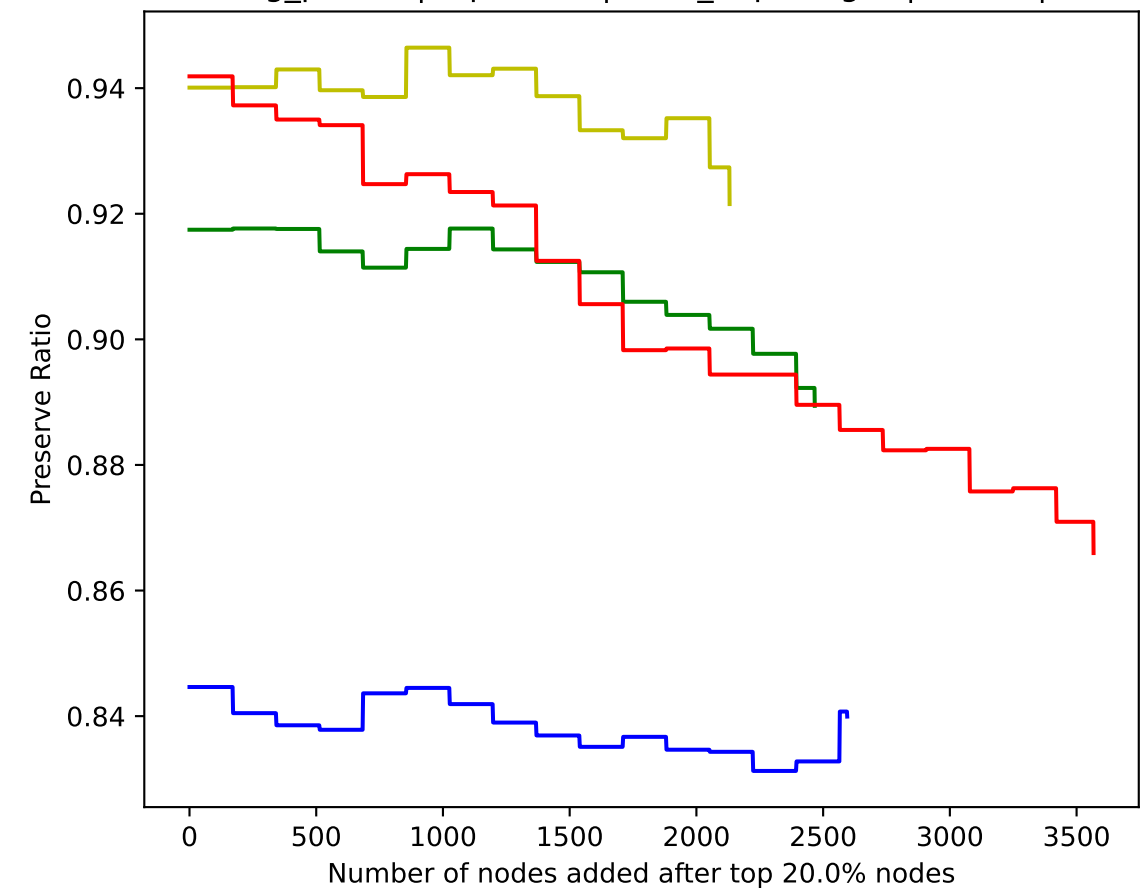
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.5|



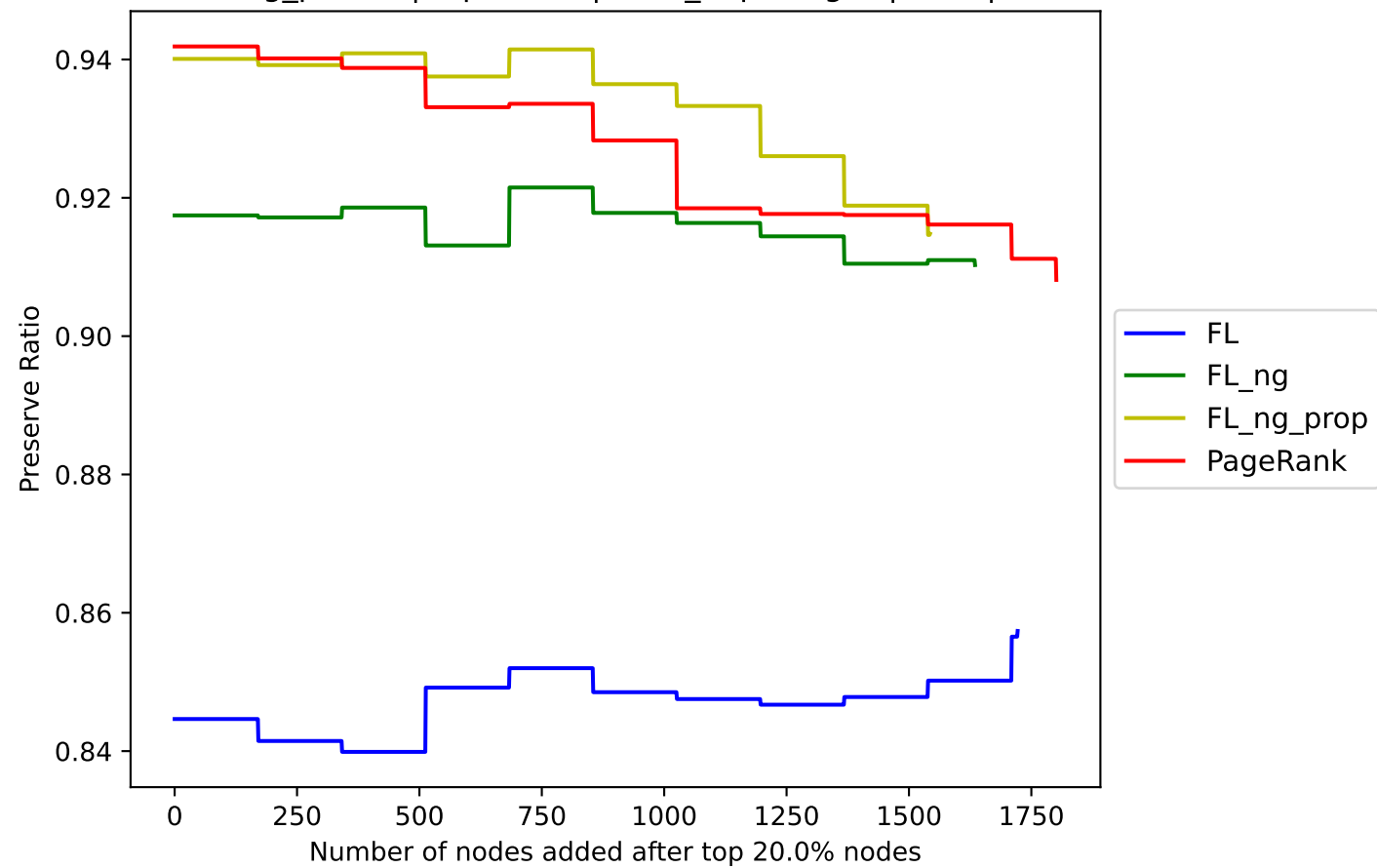
big\_patent | top 20.0%| Num\_hops: log(n)|res: 1|

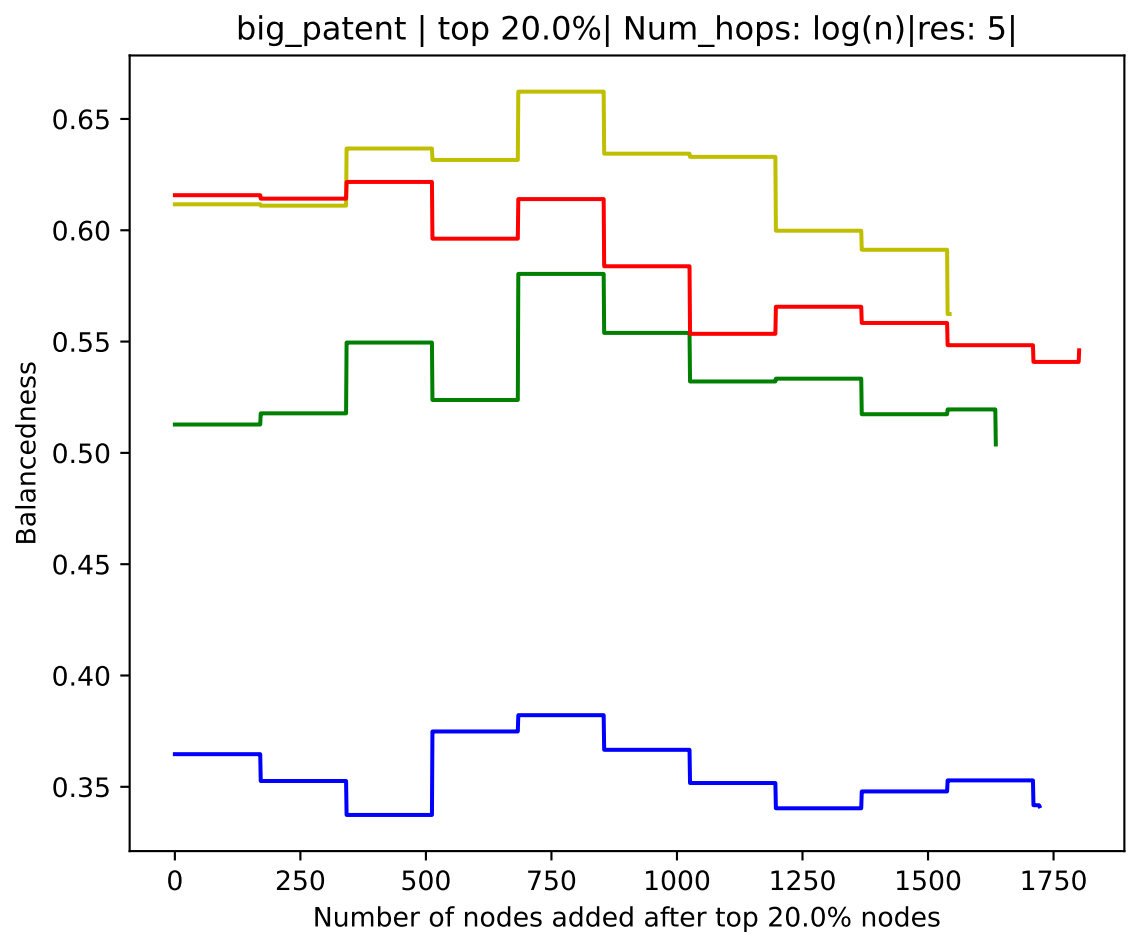
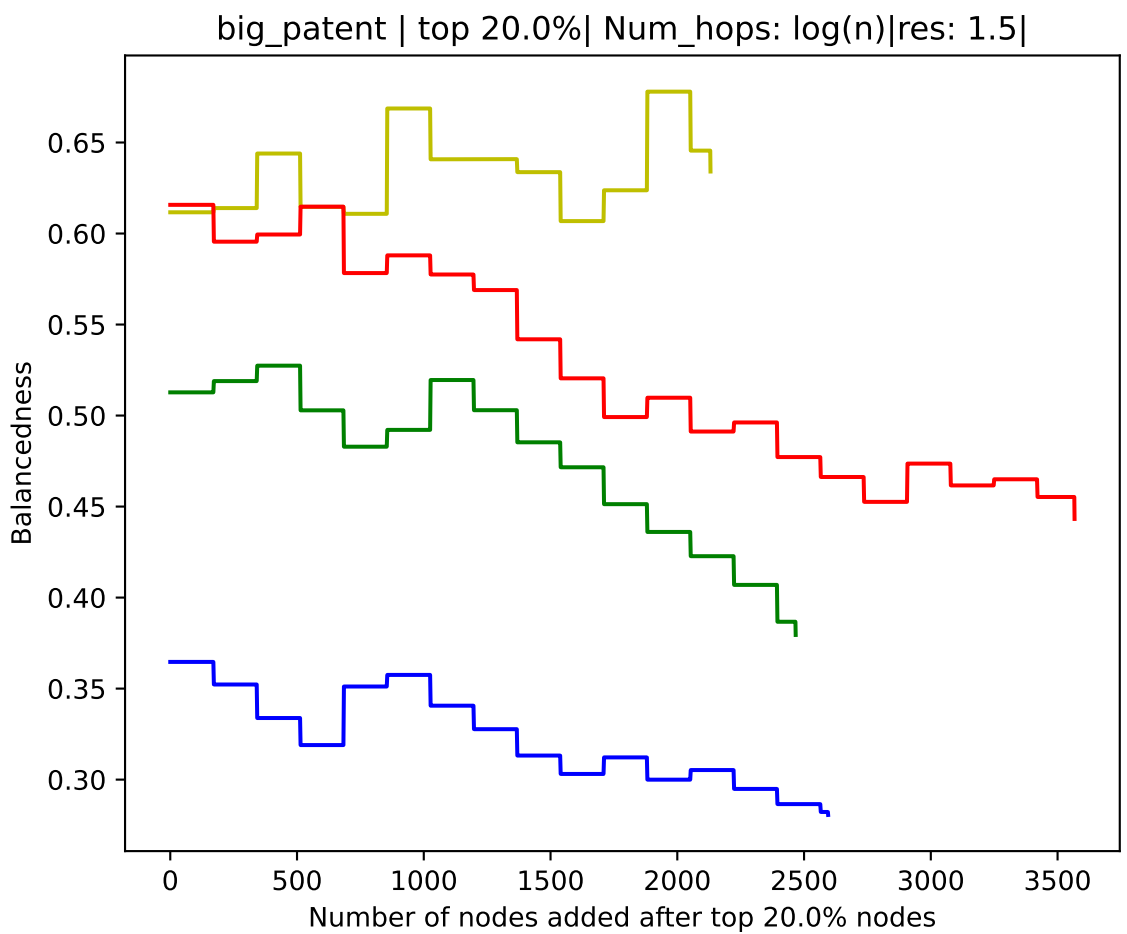
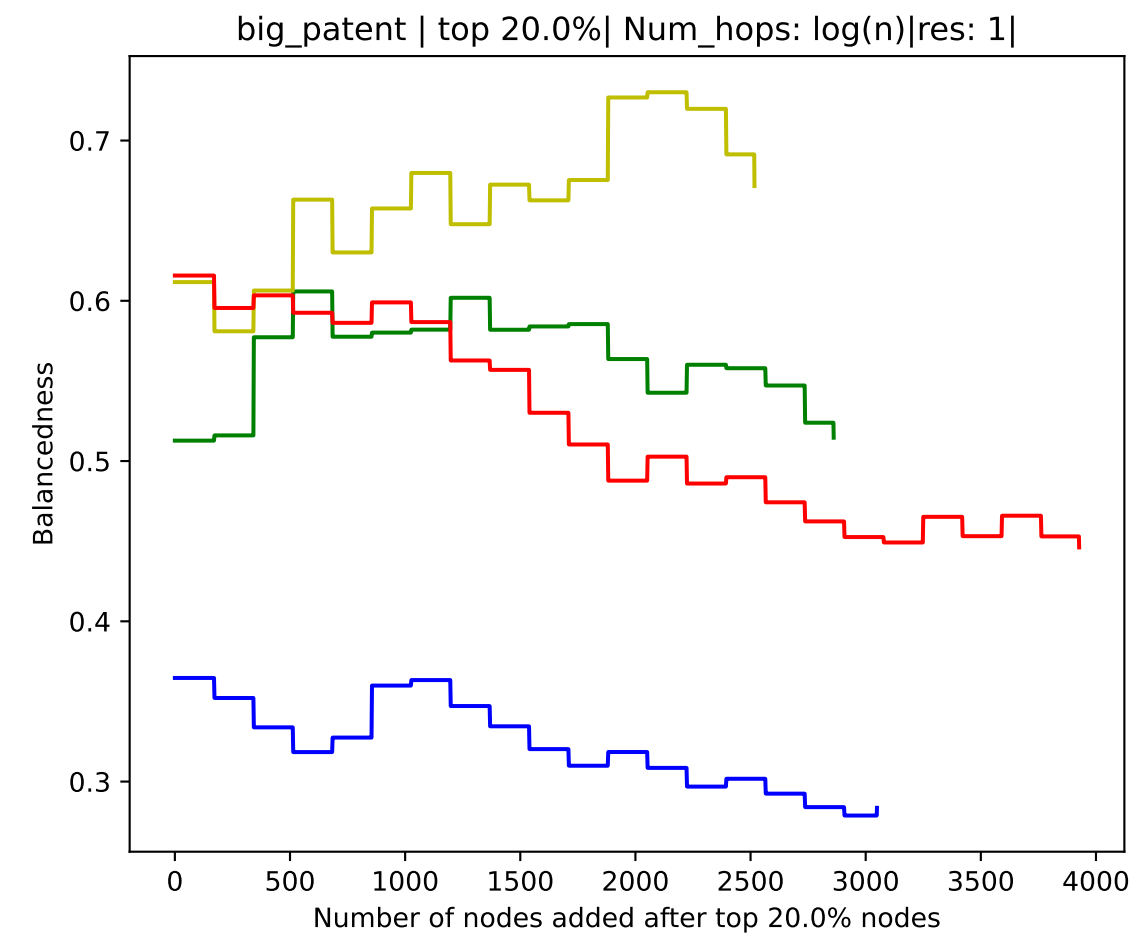
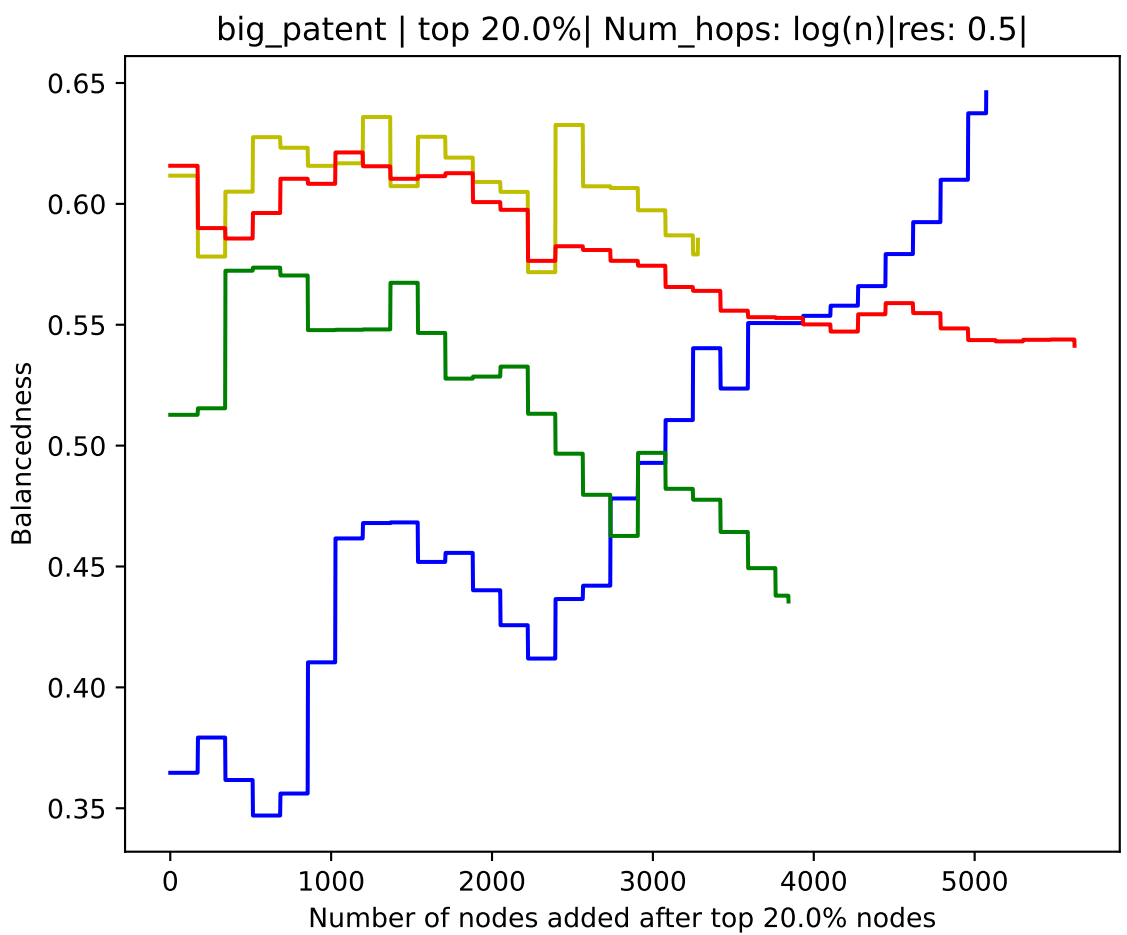
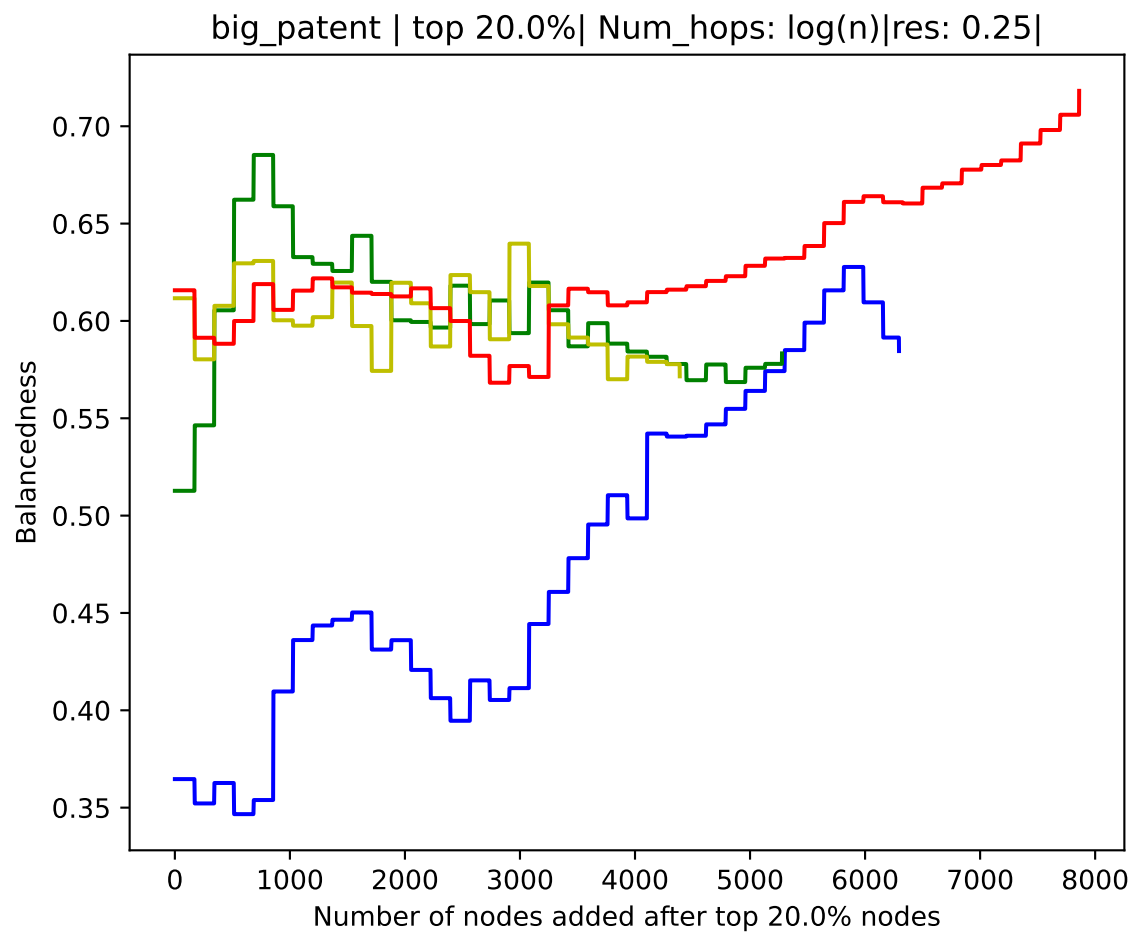
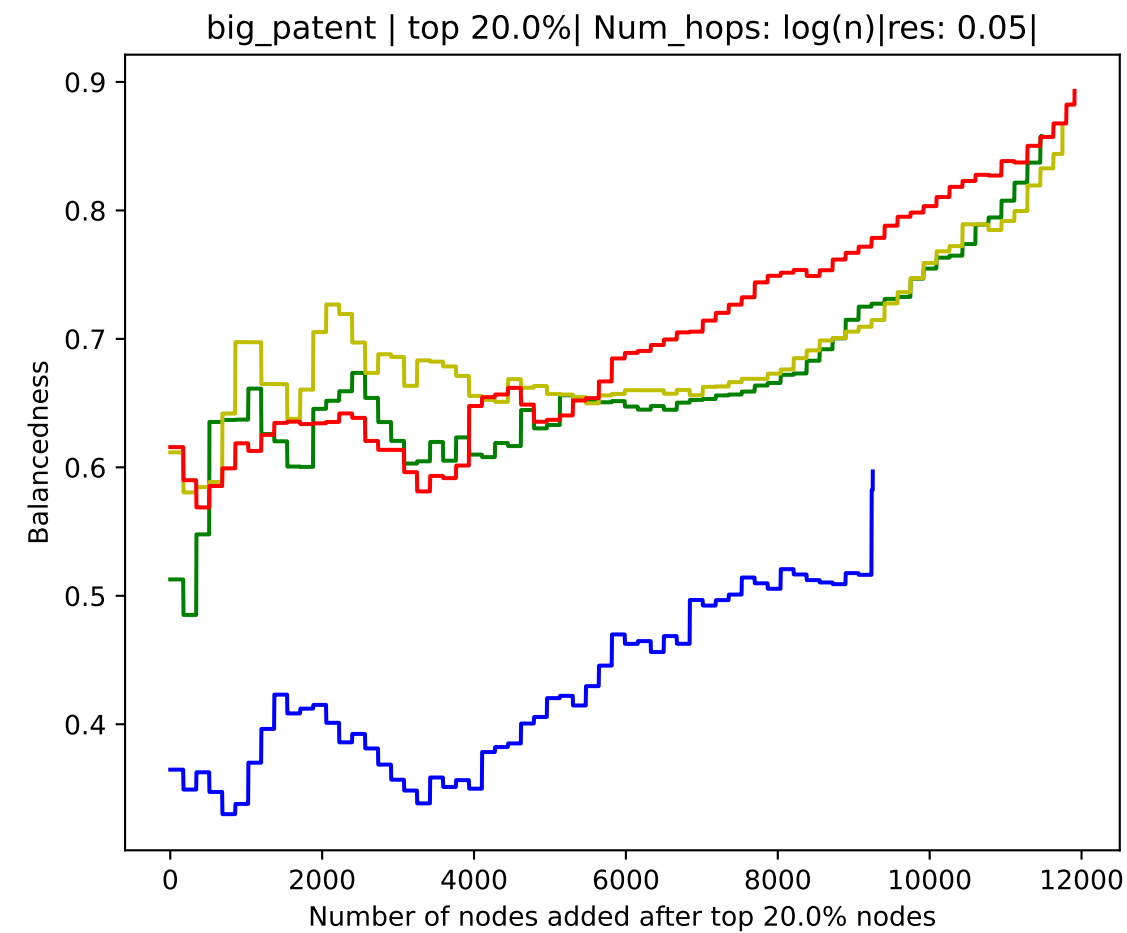


big\_patent | top 20.0%| Num\_hops: log(n)|res: 1.5|

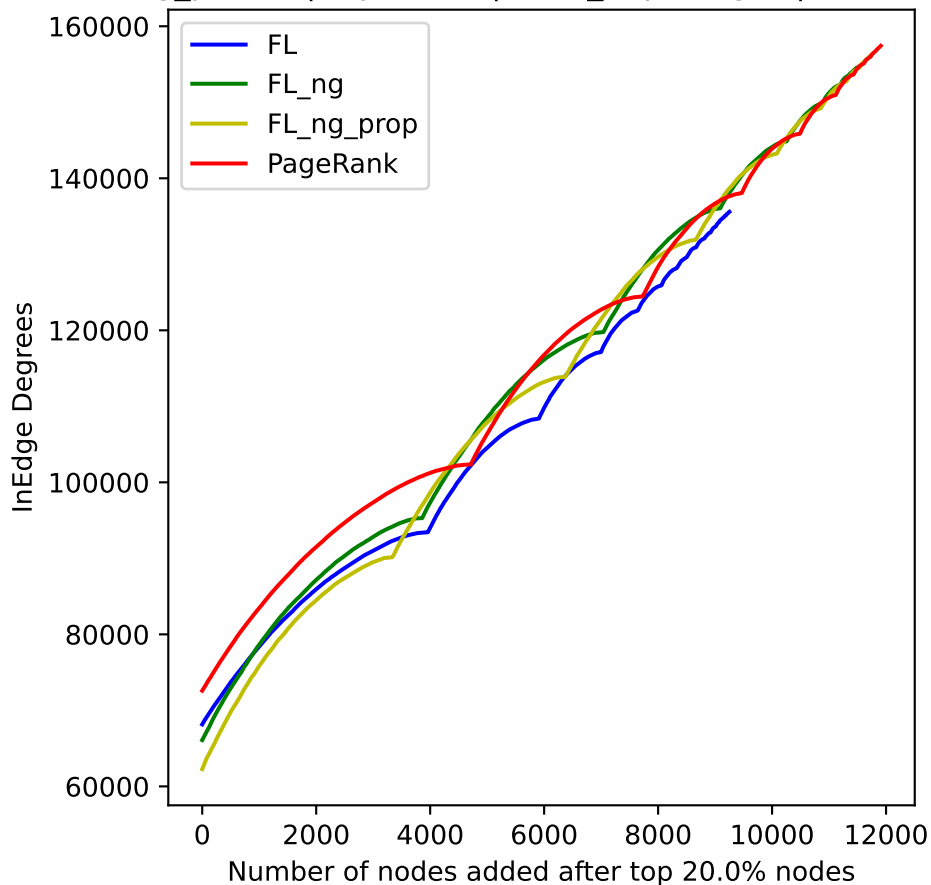


big\_patent | top 20.0%| Num\_hops: log(n)|res: 5|

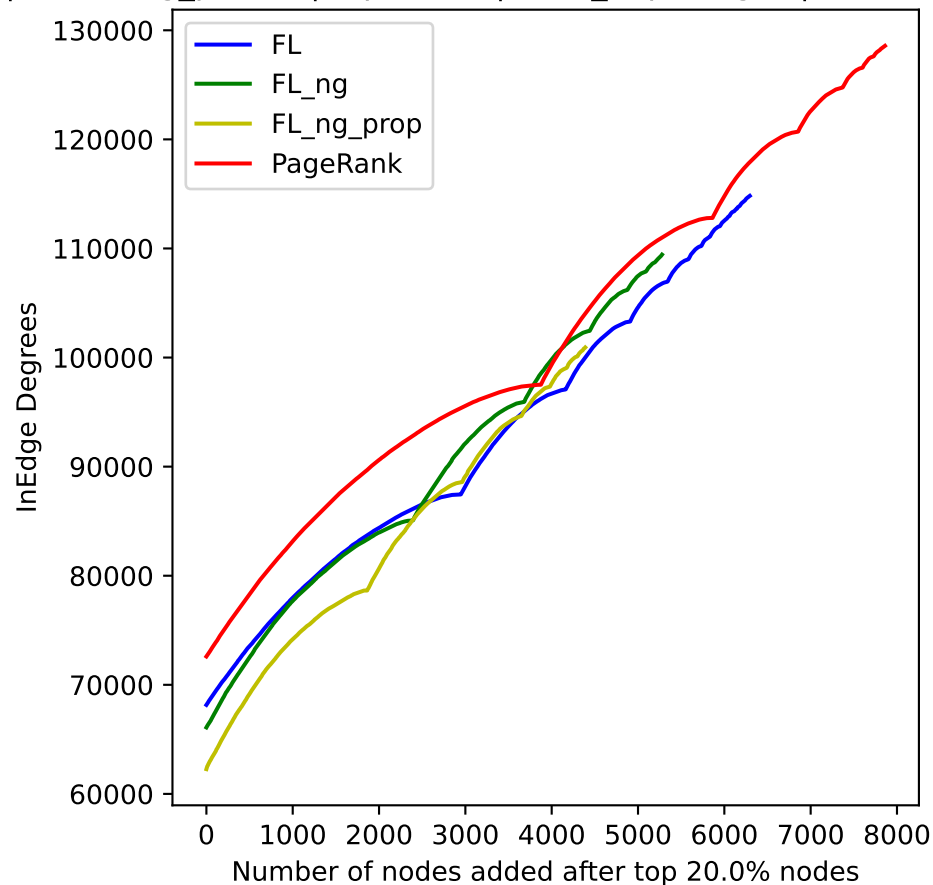




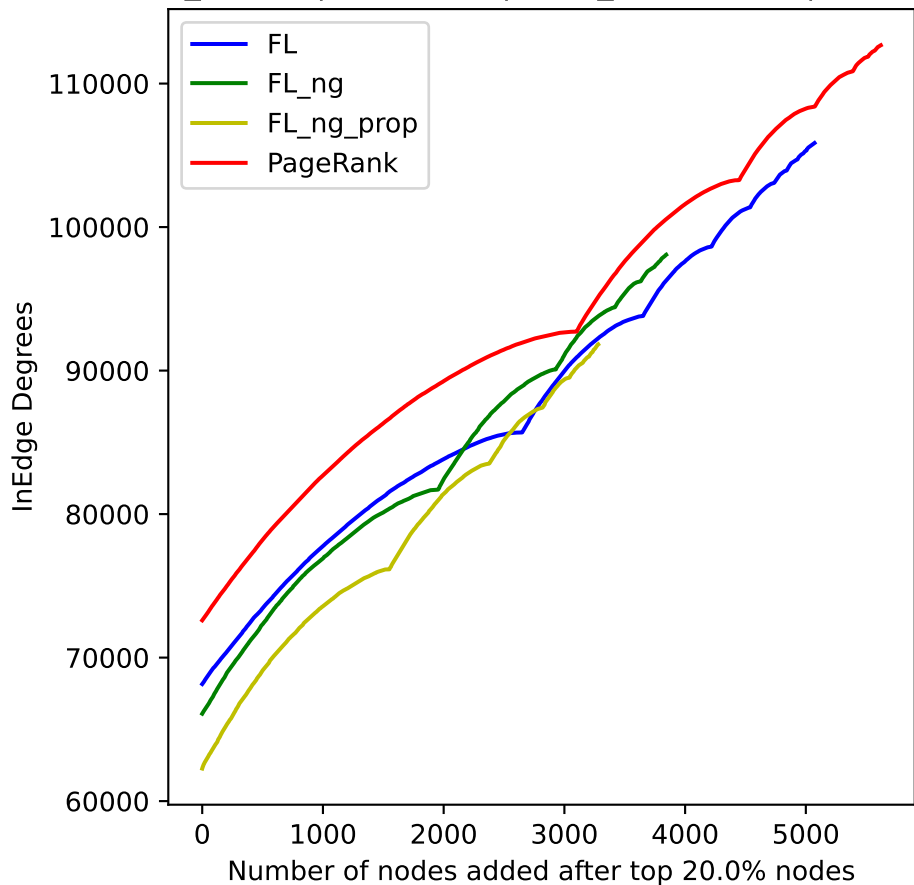
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.05|



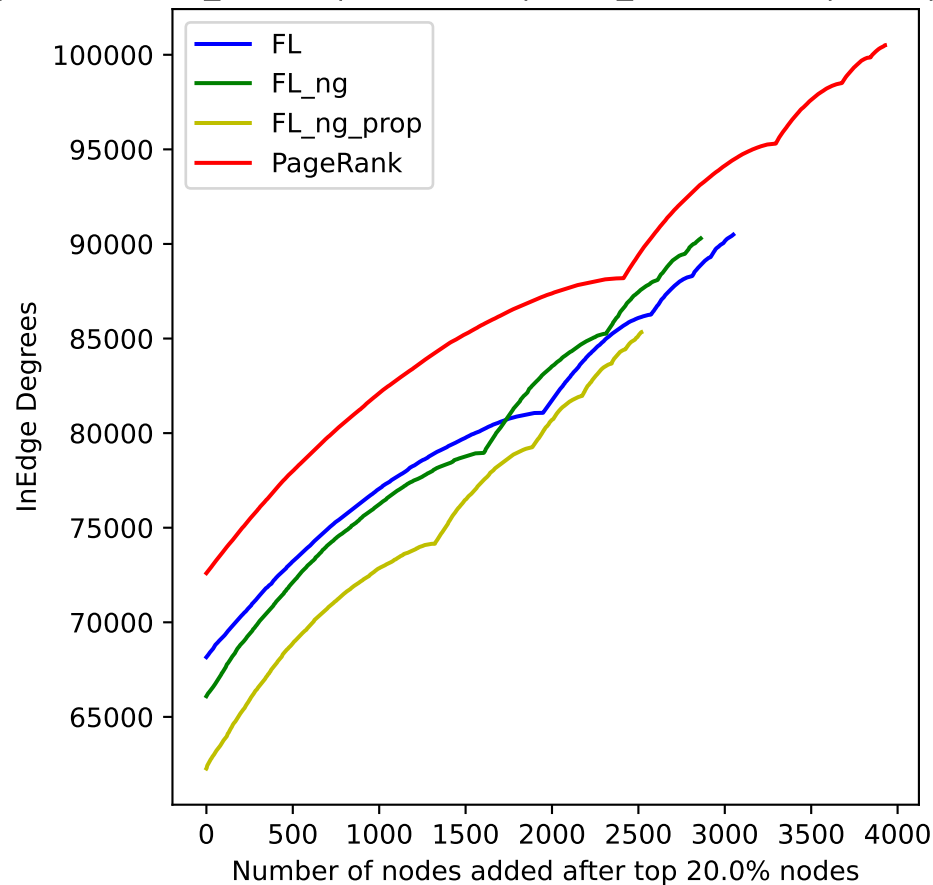
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.25|



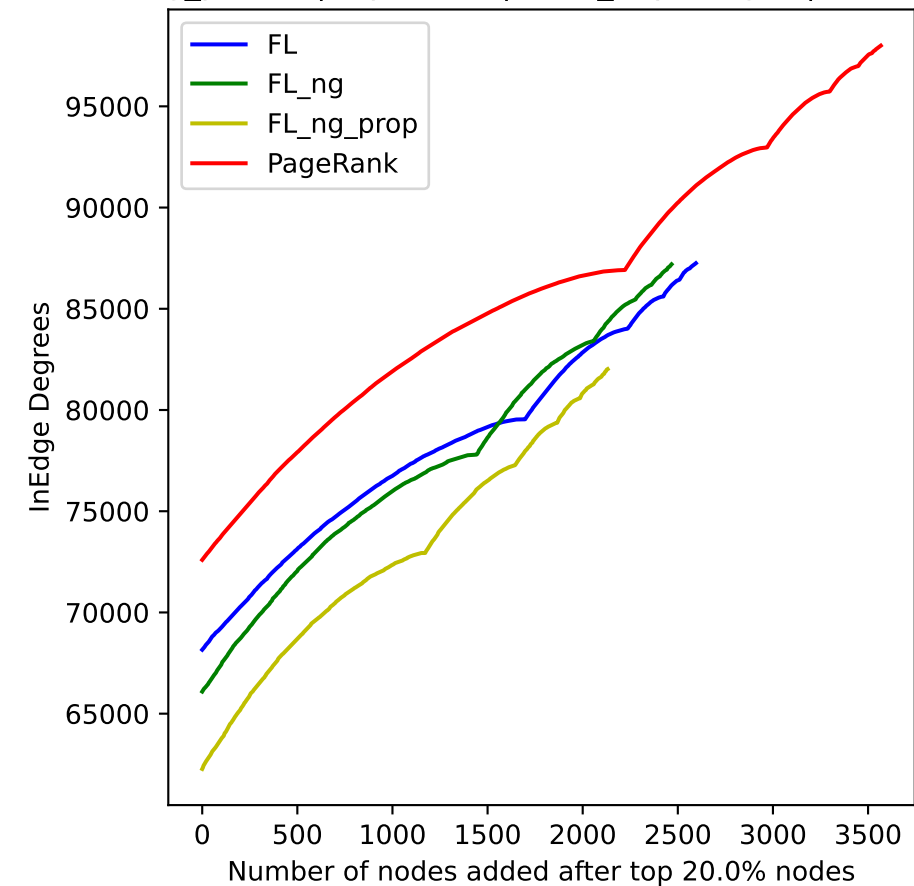
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.5|



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|

