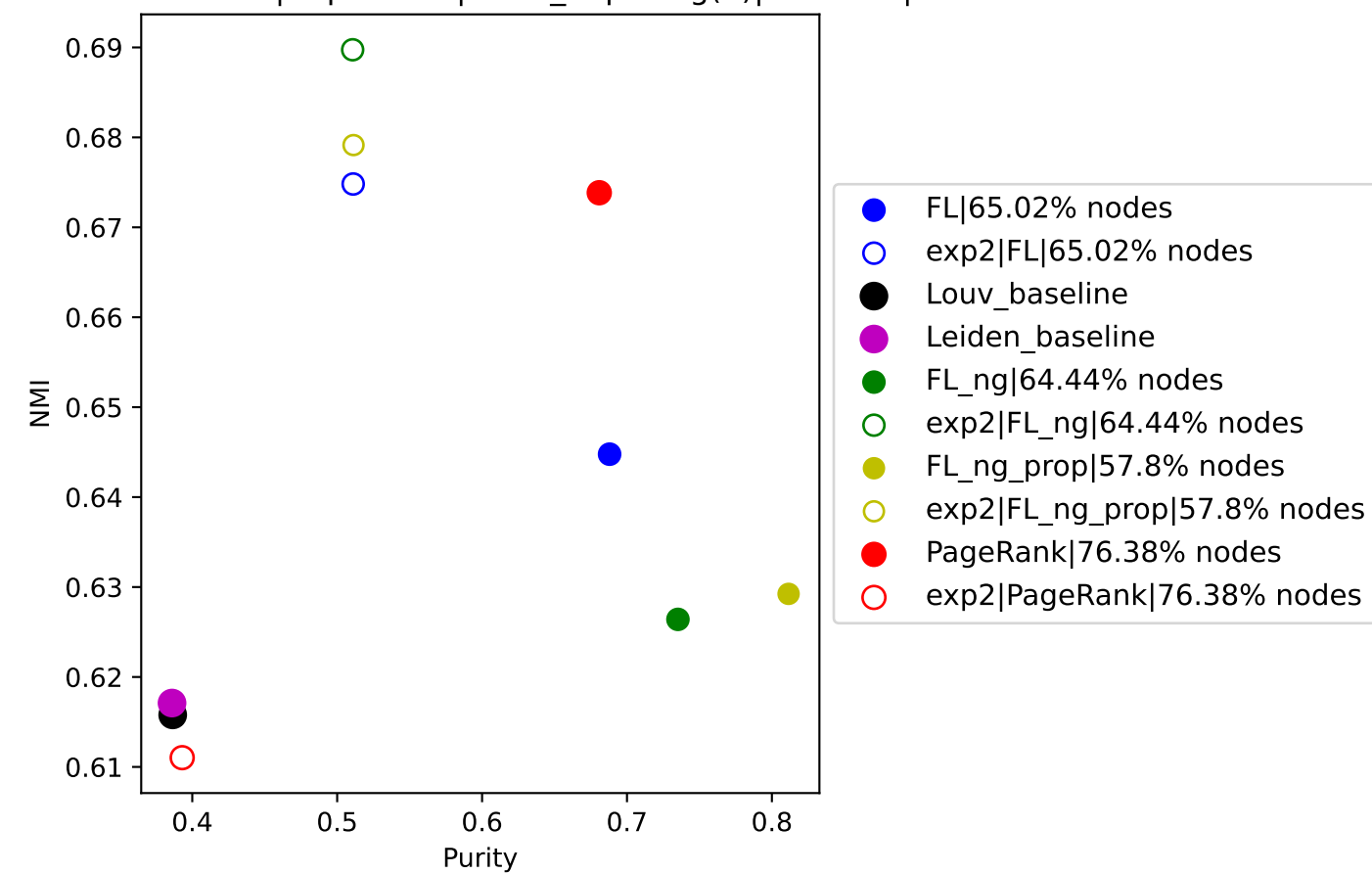
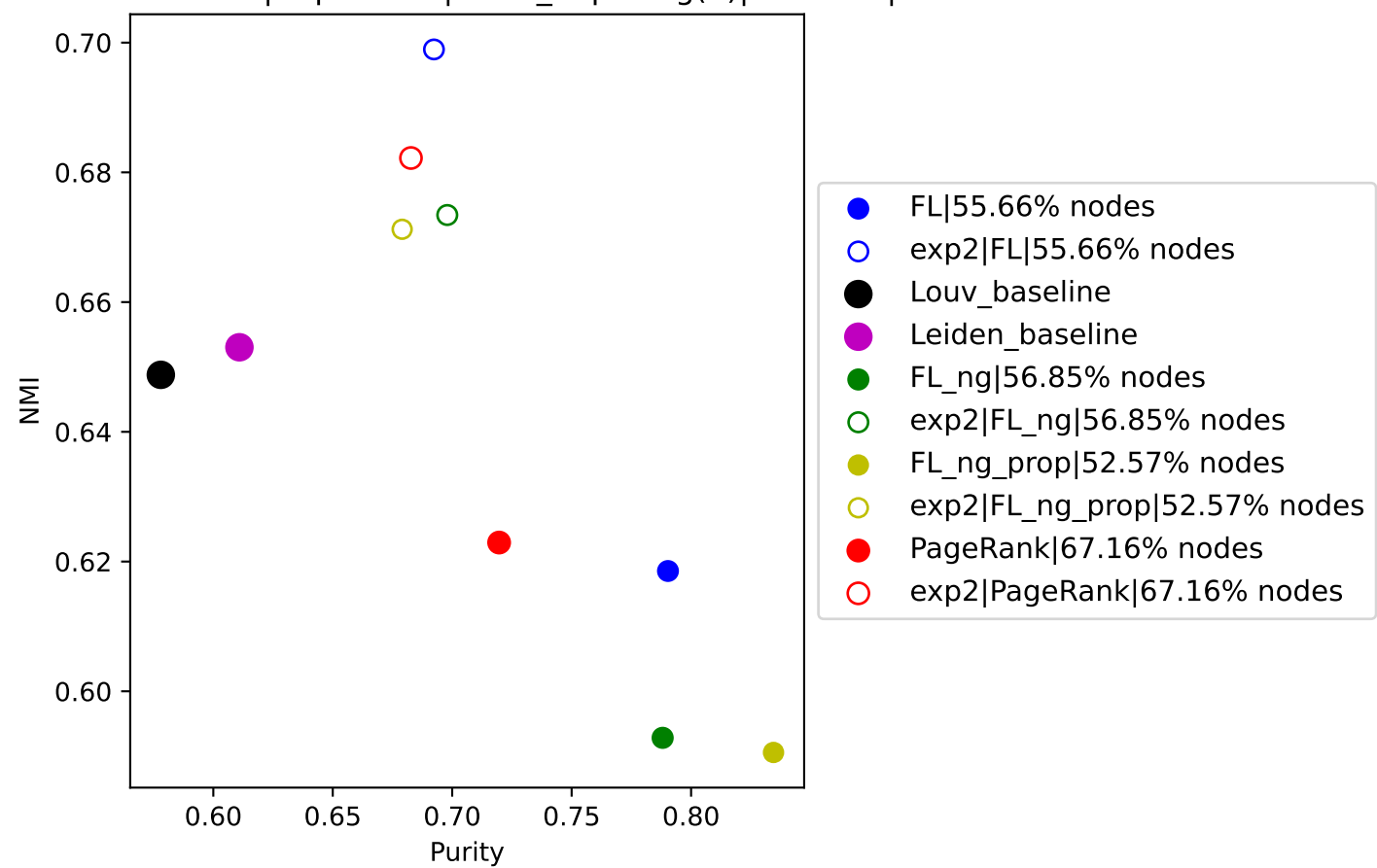


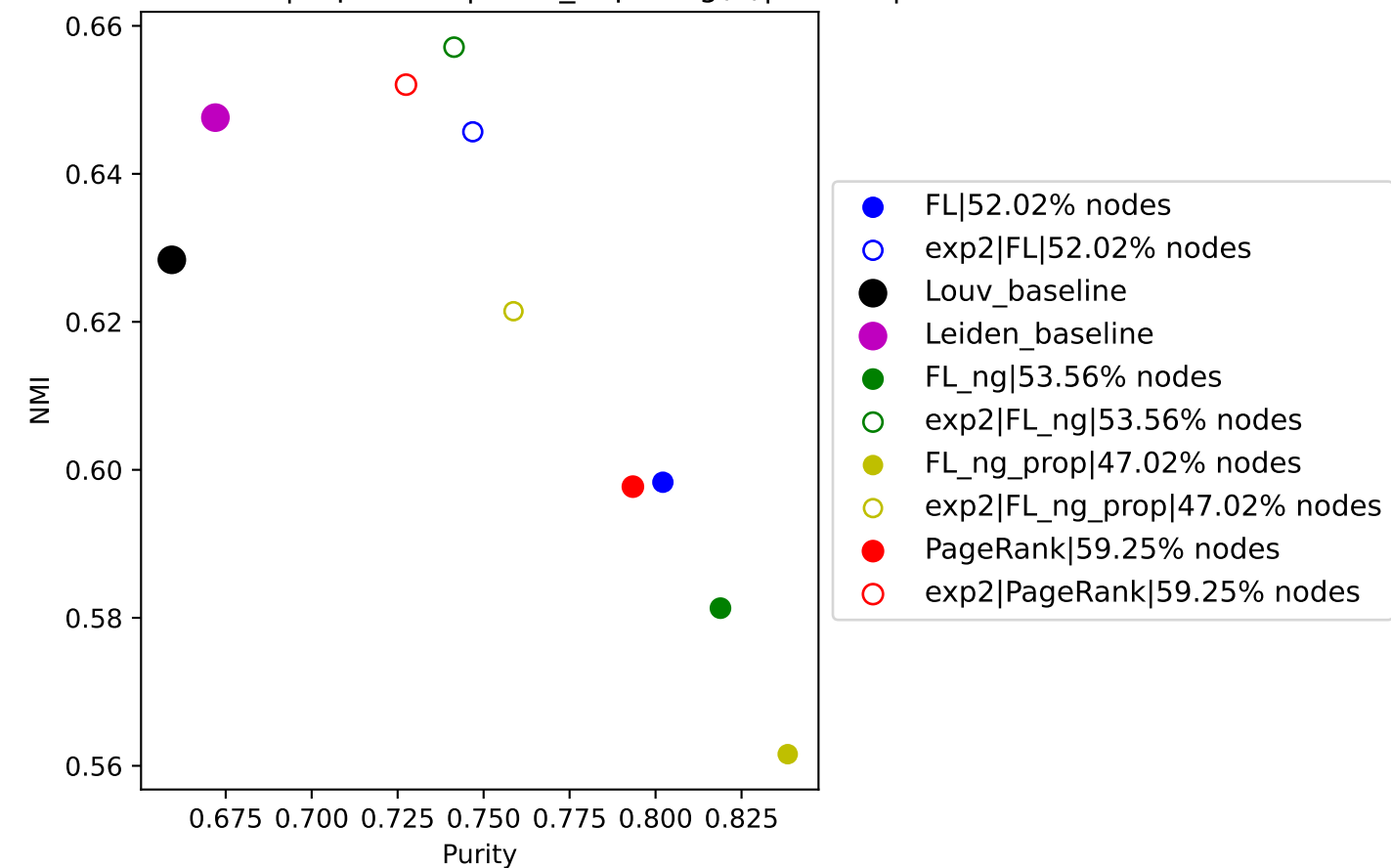
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.05|



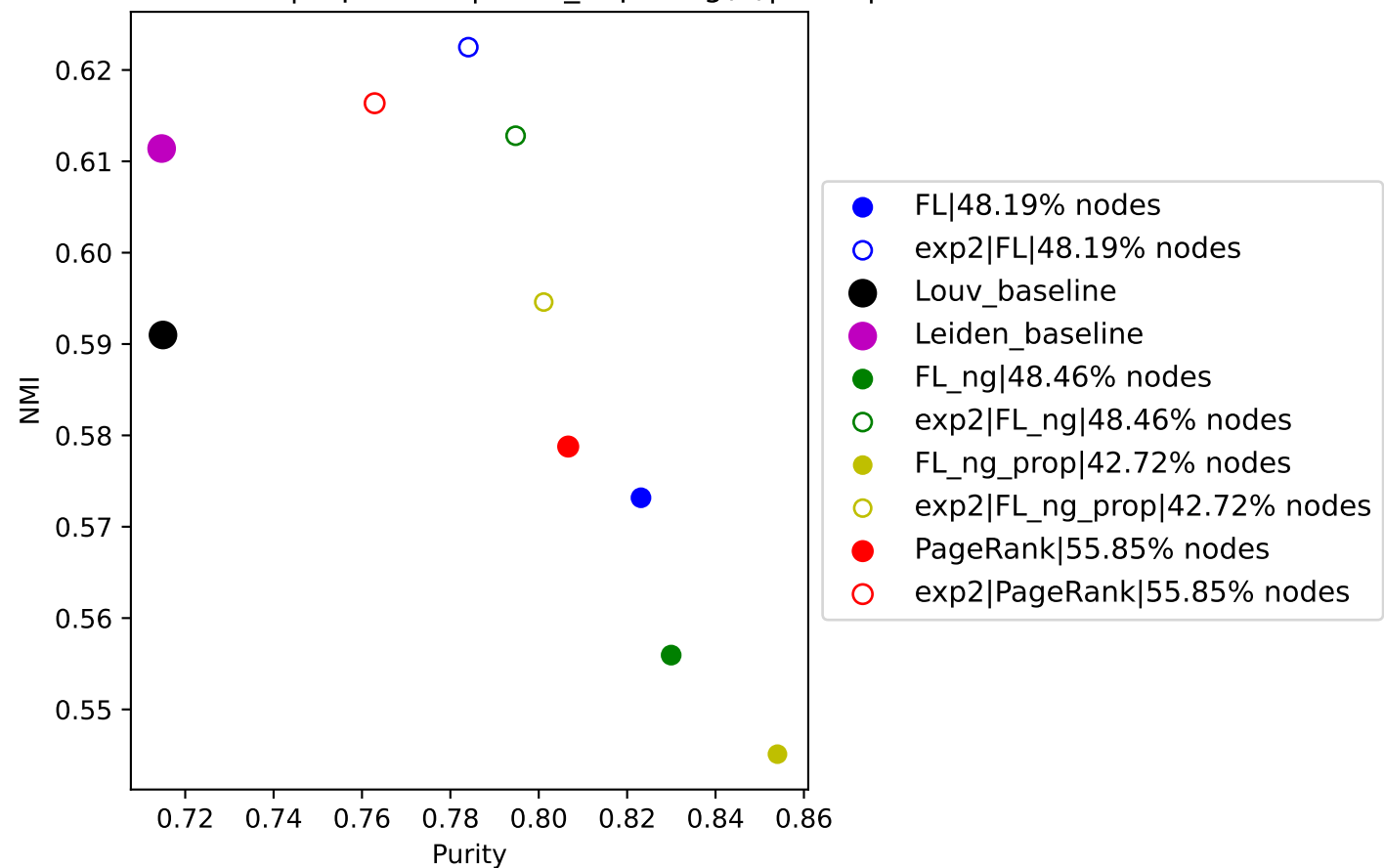
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.25|



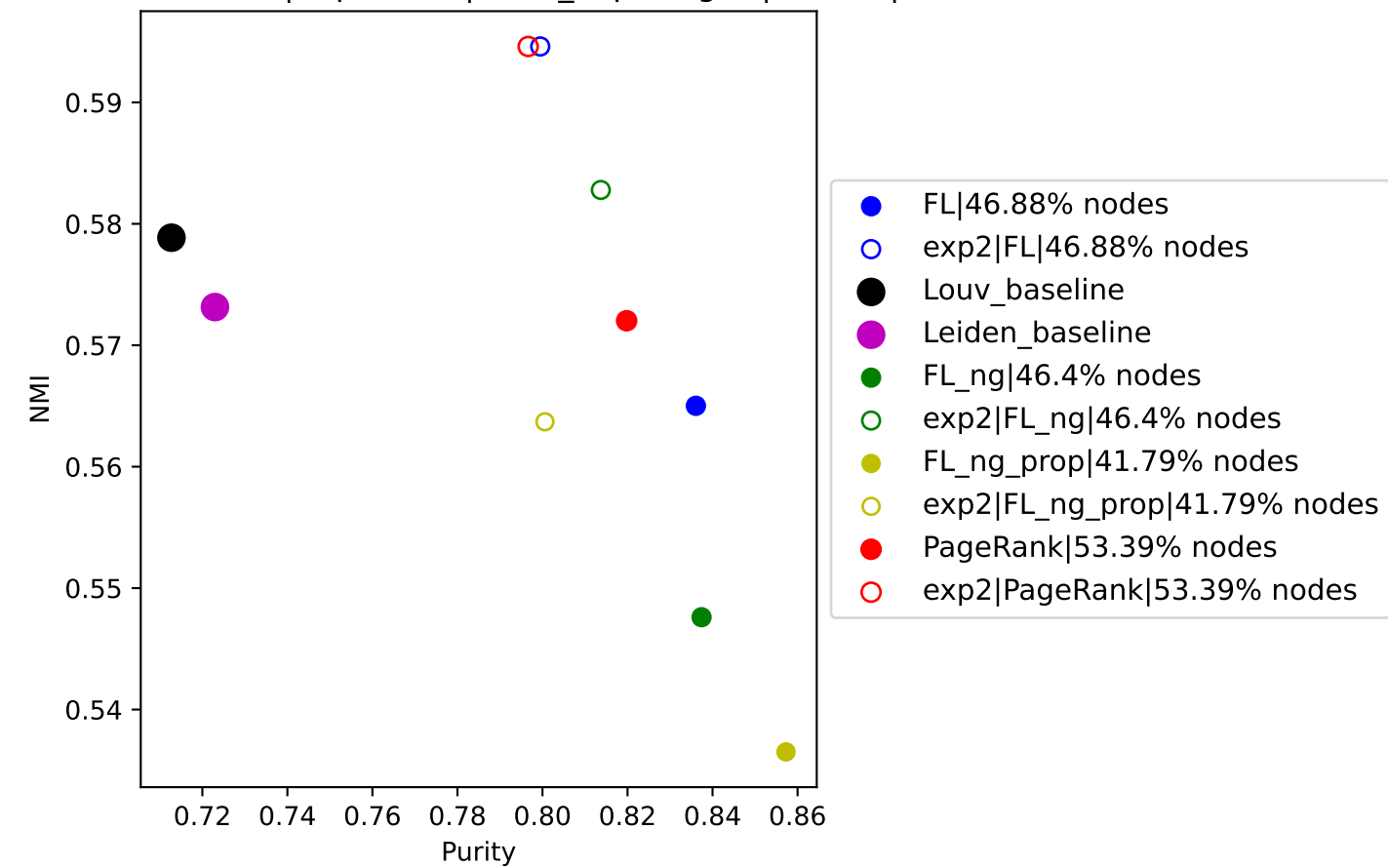
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.5|



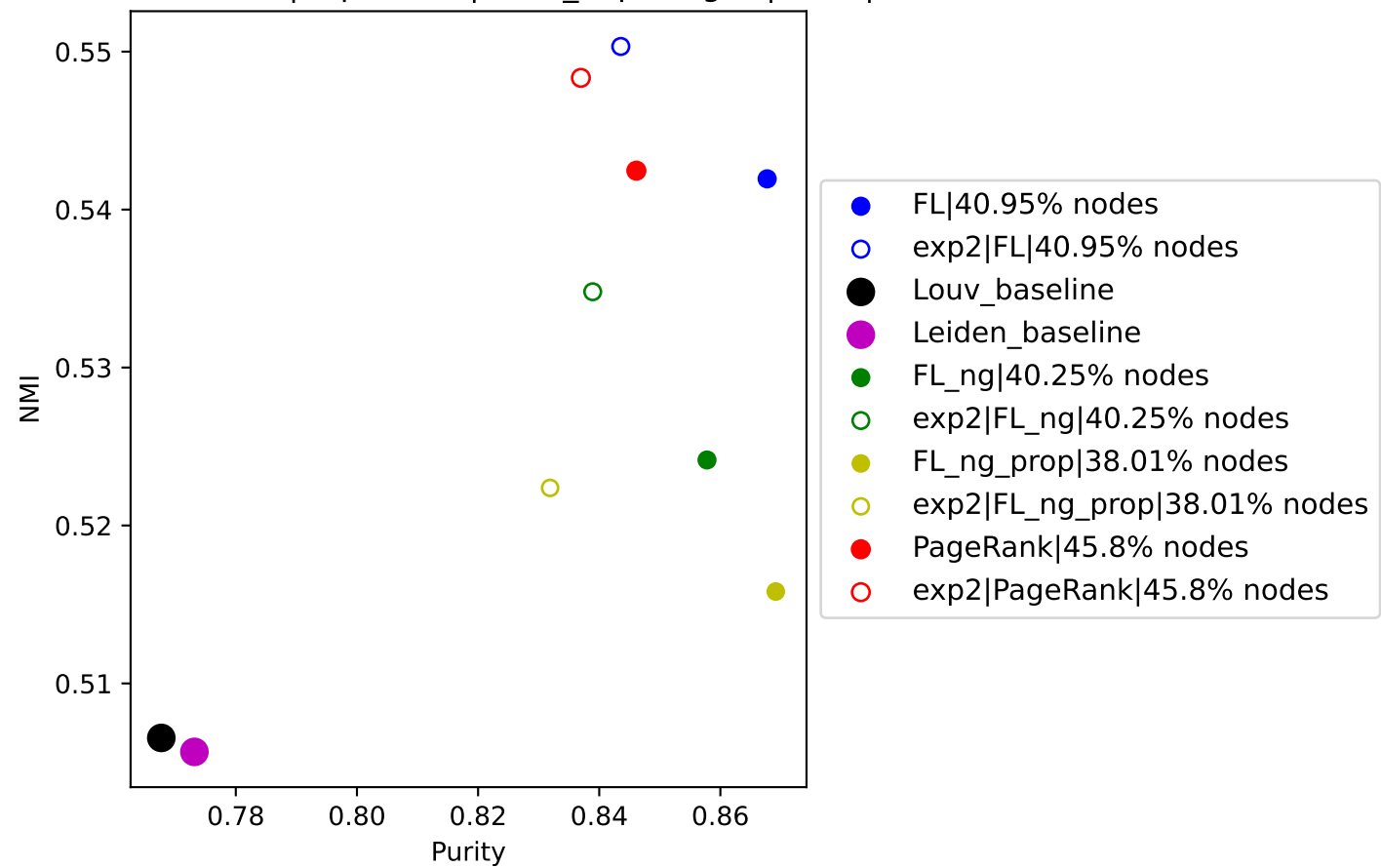
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1|



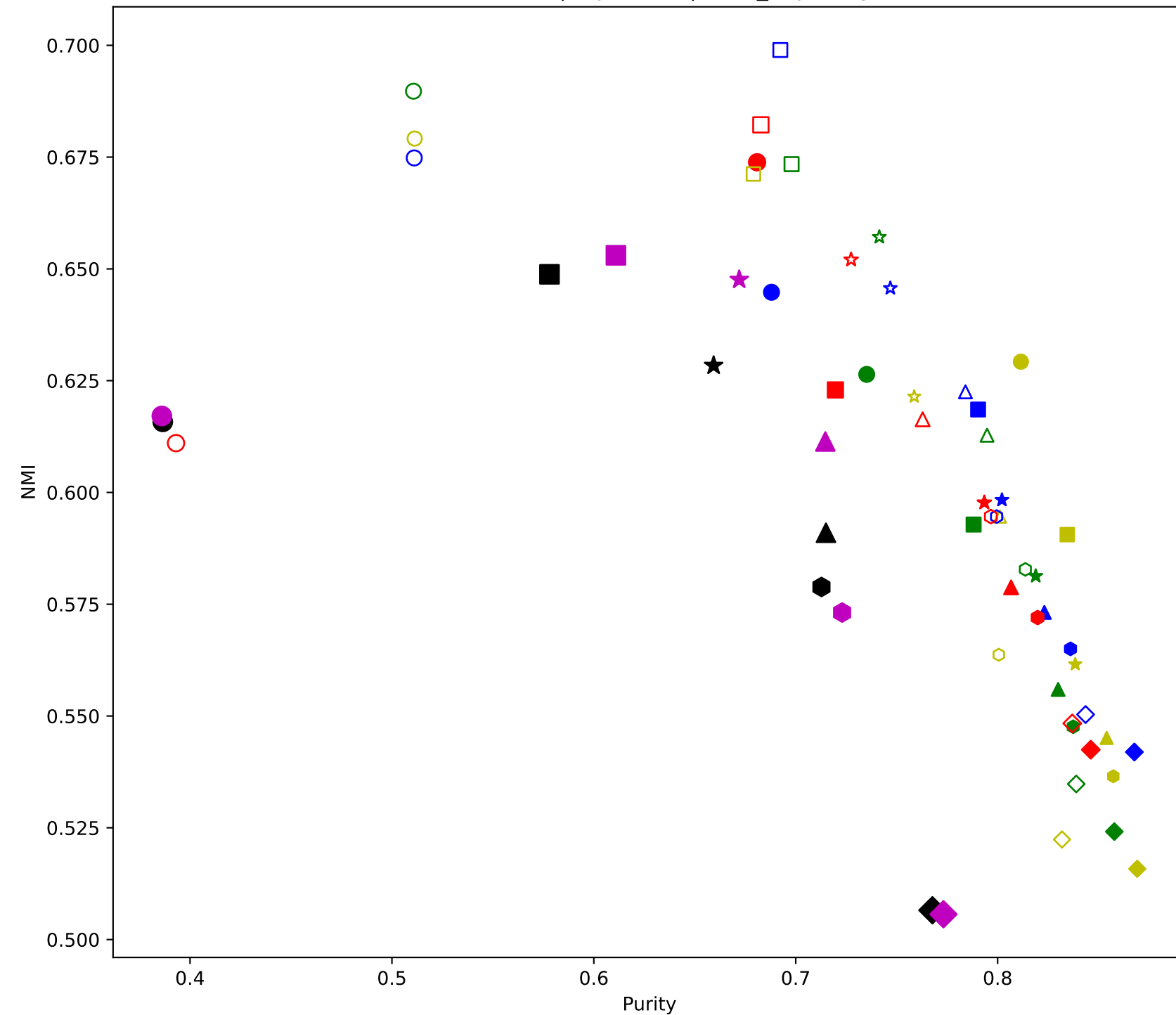
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1.5|



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

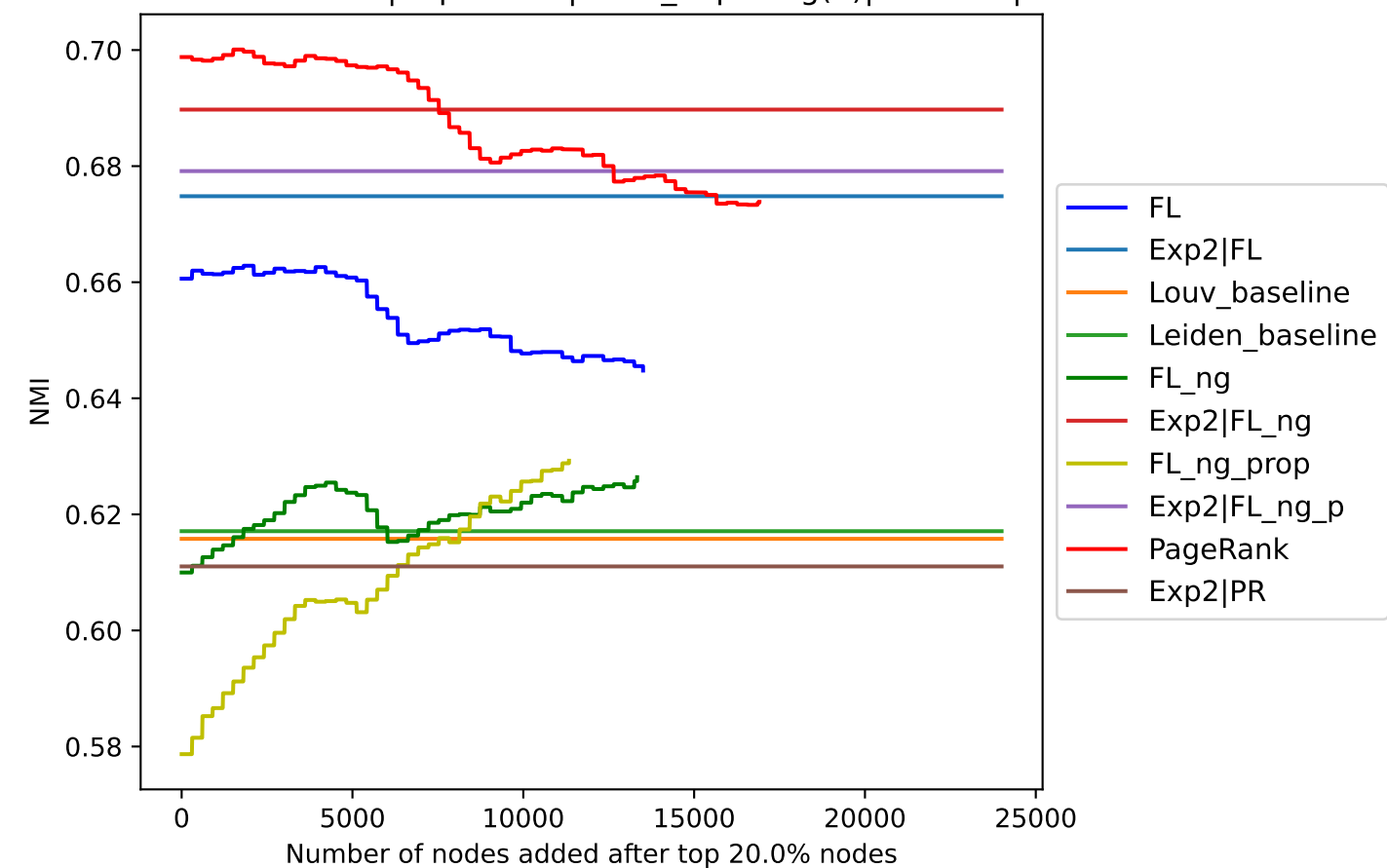


FashionMNIST | top 20.0%| Num\_hops: log(n)

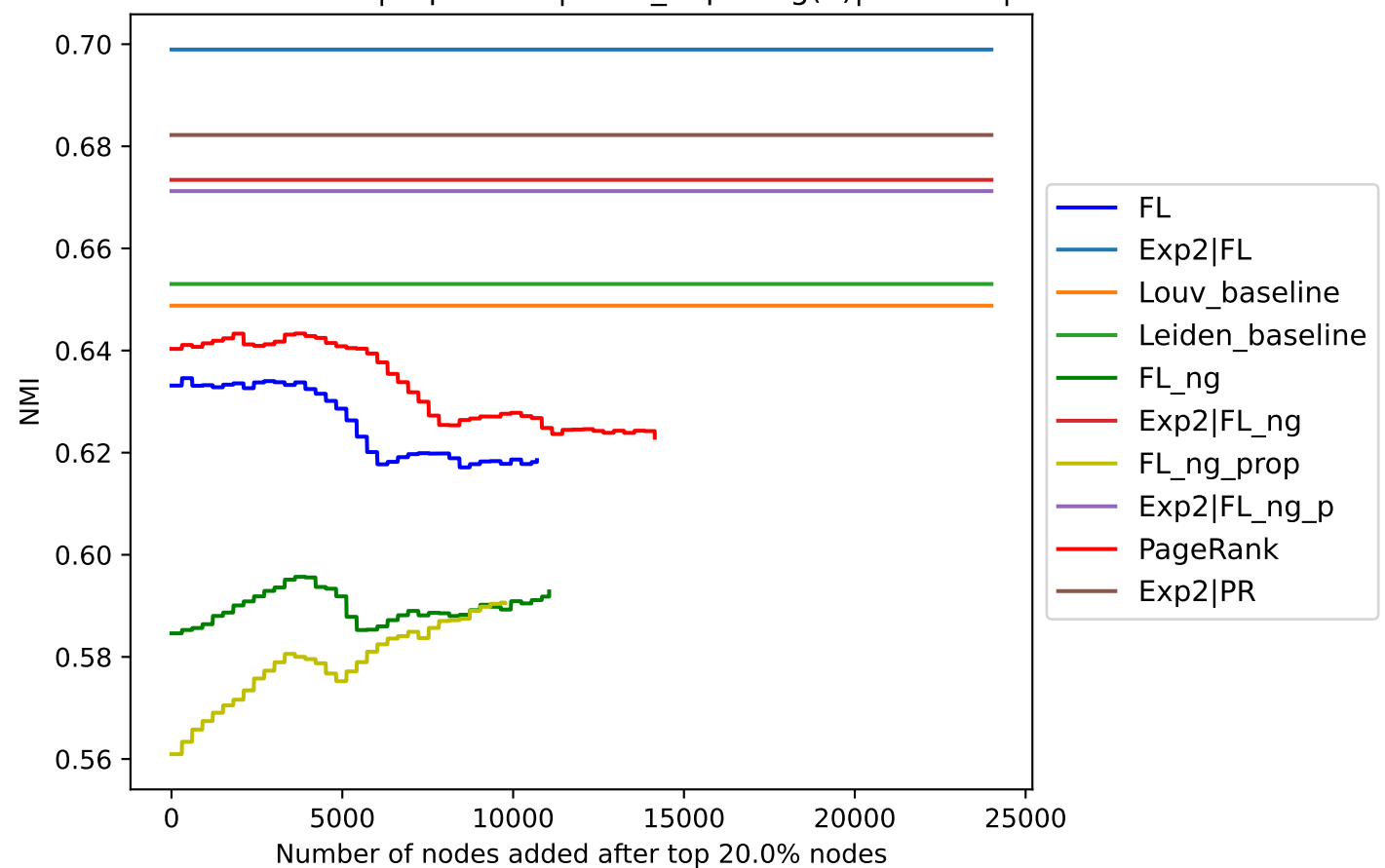


- |                                |                               |
|--------------------------------|-------------------------------|
| ● FL 0.05 65.02% nodes         | ▲ FL 1 48.19% nodes           |
| ○ Exp2 0.05 65.02% nodes       | △ Exp2 1 48.19% nodes         |
| ● Louv_baseline 0.05           | ▲ Louv_baseline 1             |
| ● Leiden_baseline 0.05         | ▲ Leiden_baseline 1           |
| ● FL_ng 0.05 64.44% nodes      | ▲ FL_ng 1 48.46% nodes        |
| ○ Exp2 0.05 64.44% nodes       | △ Exp2 1 48.46% nodes         |
| ● FL_ng_prop 0.05 57.8% nodes  | ▲ FL_ng_prop 1 42.72% nodes   |
| ○ Exp2 0.05 57.8% nodes        | △ Exp2 1 42.72% nodes         |
| ● PageRank 0.05 76.38% nodes   | ▲ PageRank 1 55.85% nodes     |
| ○ Exp2 0.05 76.38% nodes       | △ Exp2 1 55.85% nodes         |
| ■ FL 0.25 55.66% nodes         | ● FL 1.5 46.88% nodes         |
| □ Exp2 0.25 55.66% nodes       | ○ Exp2 1.5 46.88% nodes       |
| ■ Louv_baseline 0.25           | ● Louv_baseline 1.5           |
| ■ Leiden_baseline 0.25         | ● Leiden_baseline 1.5         |
| ■ FL_ng 0.25 56.85% nodes      | ● FL_ng 1.5 46.4% nodes       |
| □ Exp2 0.25 56.85% nodes       | ○ Exp2 1.5 46.4% nodes        |
| ■ FL_ng_prop 0.25 52.57% nodes | ● FL_ng_prop 1.5 41.79% nodes |
| □ Exp2 0.25 52.57% nodes       | ○ Exp2 1.5 41.79% nodes       |
| ■ PageRank 0.25 67.16% nodes   | ● PageRank 1.5 53.39% nodes   |
| □ Exp2 0.25 67.16% nodes       | ○ Exp2 1.5 53.39% nodes       |
| ★ FL 0.5 52.02% nodes          | ◆ FL 5 40.95% nodes           |
| ☆ Exp2 0.5 52.02% nodes        | ◇ Exp2 5 40.95% nodes         |
| ★ Louv_baseline 0.5            | ◆ Louv_baseline 5             |
| ☆ Leiden_baseline 0.5          | ◆ Leiden_baseline 5           |
| ★ FL_ng 0.5 53.56% nodes       | ◆ FL_ng 5 40.25% nodes        |
| ☆ Exp2 0.5 53.56% nodes        | ◇ Exp2 5 40.25% nodes         |
| ★ FL_ng_prop 0.5 47.02% nodes  | ◆ FL_ng_prop 5 38.01% nodes   |
| ☆ Exp2 0.5 47.02% nodes        | ◇ Exp2 5 38.01% nodes         |
| ★ PageRank 0.5 59.25% nodes    | ◆ PageRank 5 45.8% nodes      |
| ☆ Exp2 0.5 59.25% nodes        | ◇ Exp2 5 45.8% nodes          |

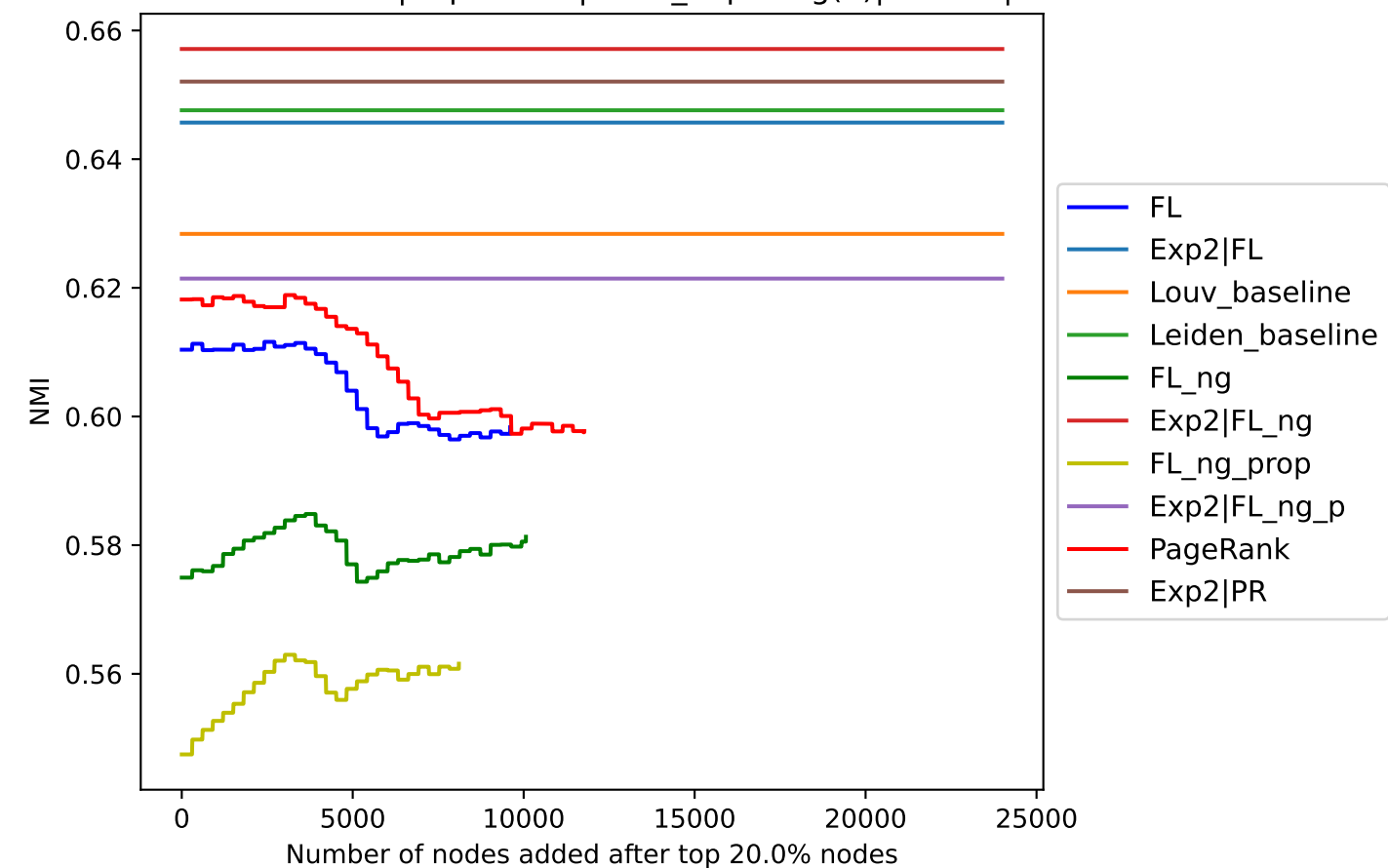
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.05|



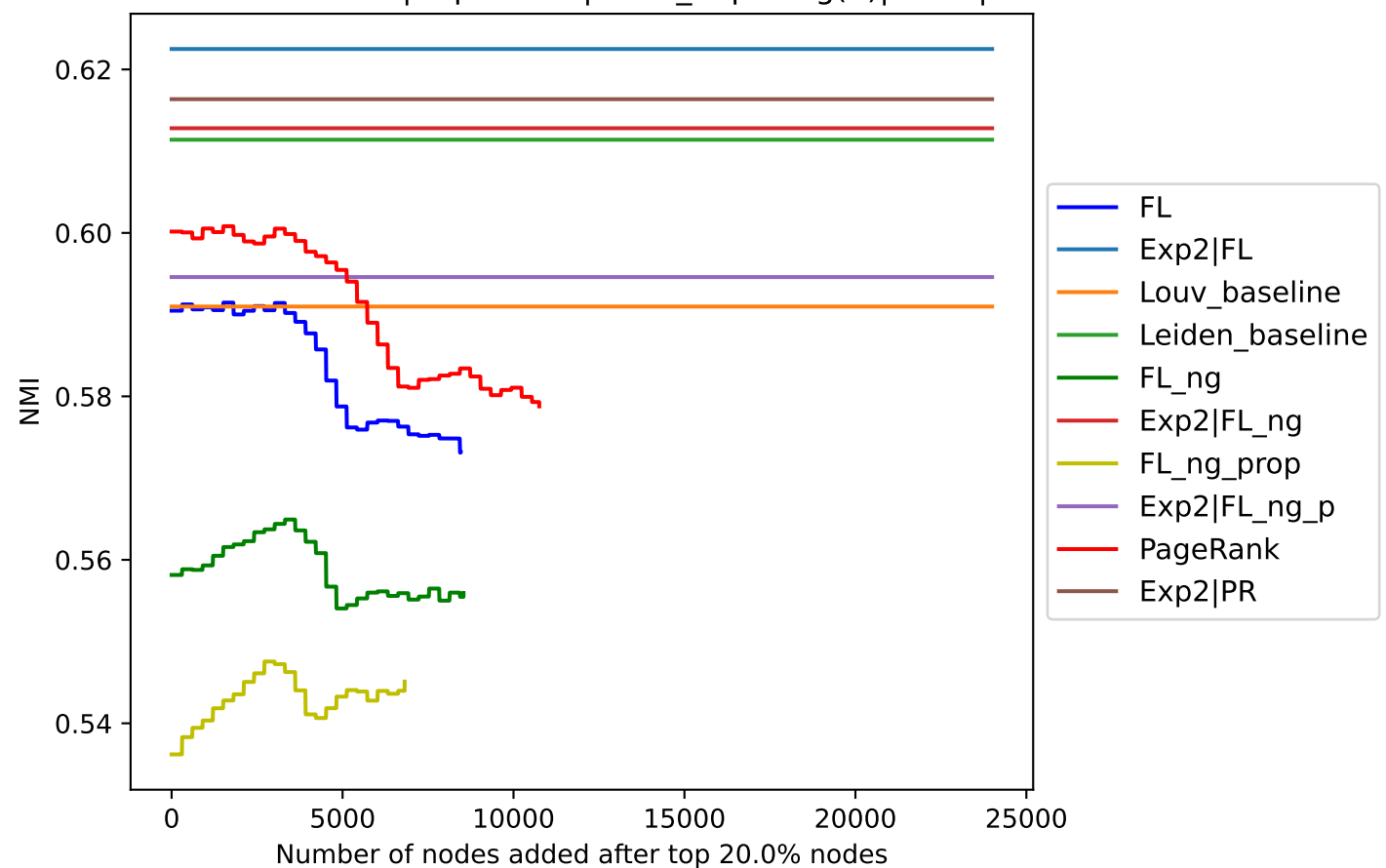
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.25|



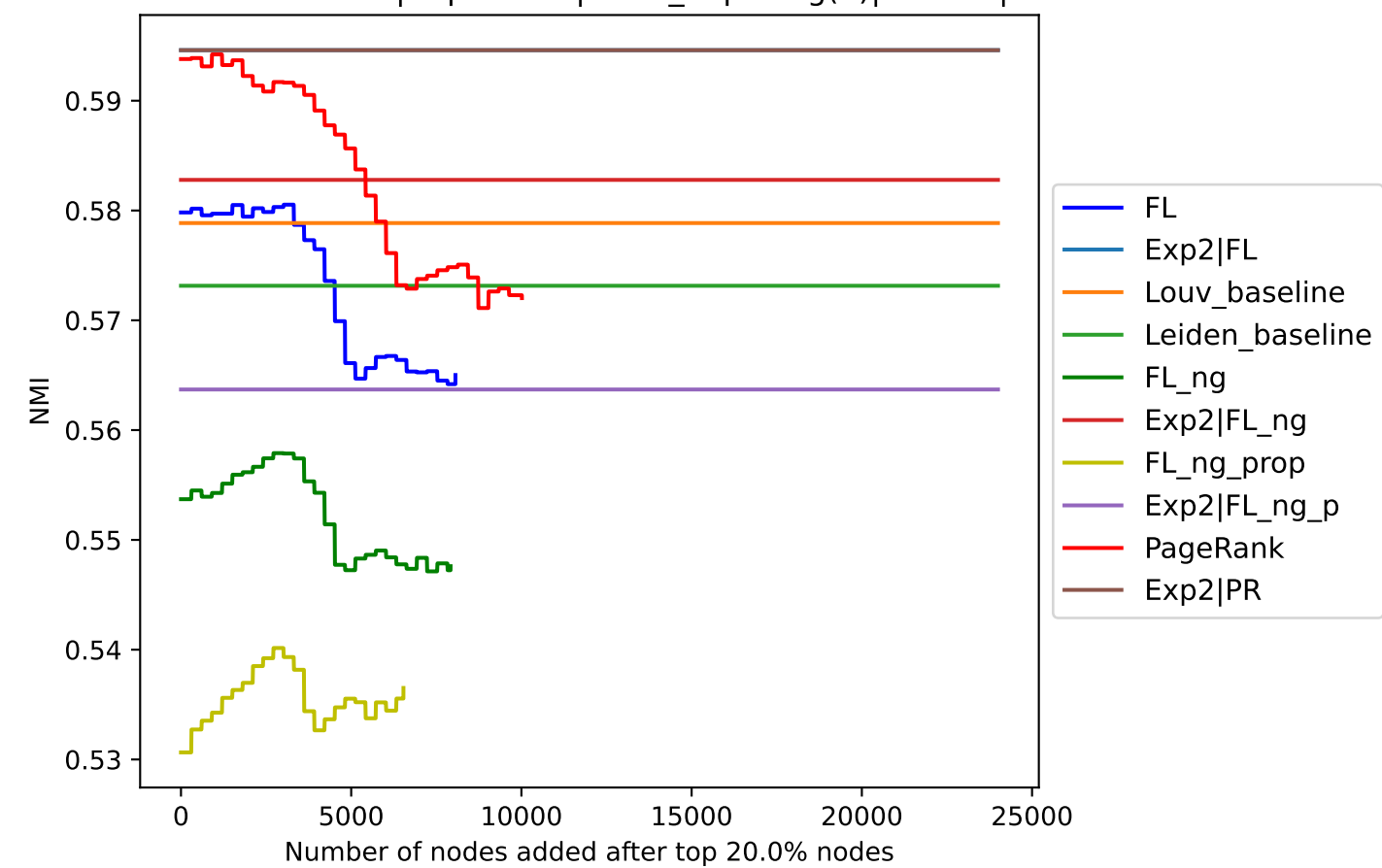
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.5|



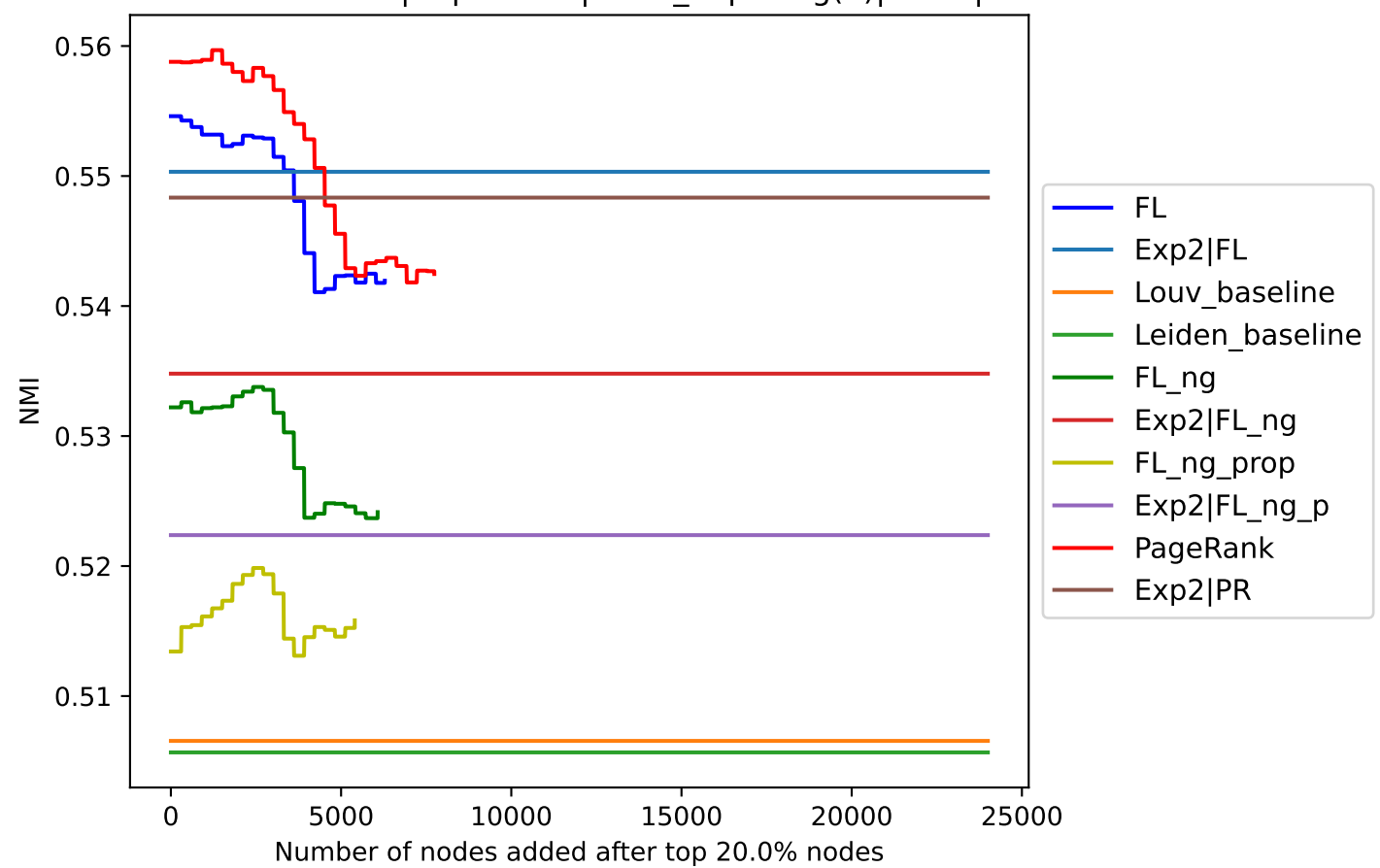
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1|



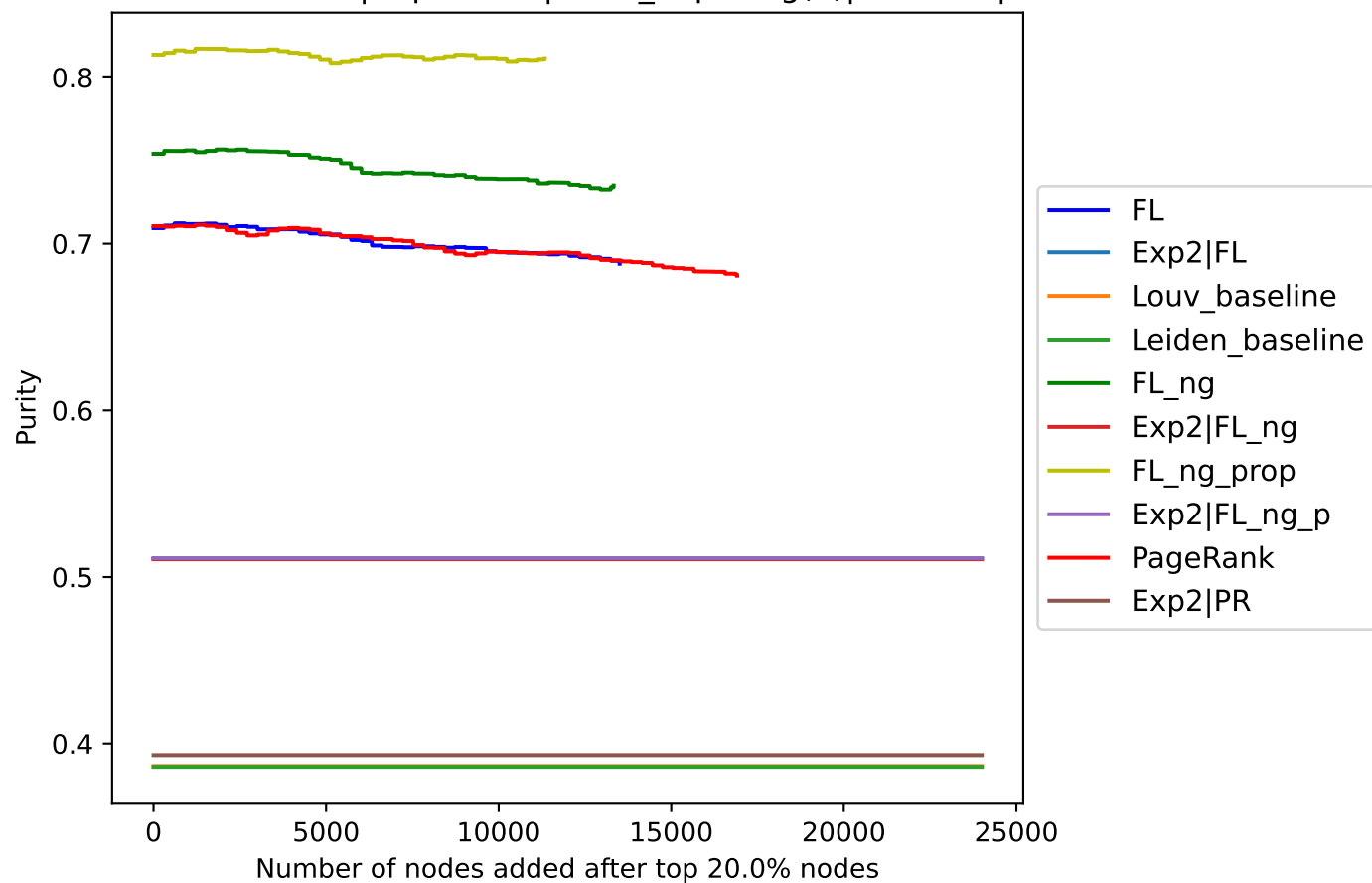
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1.5|



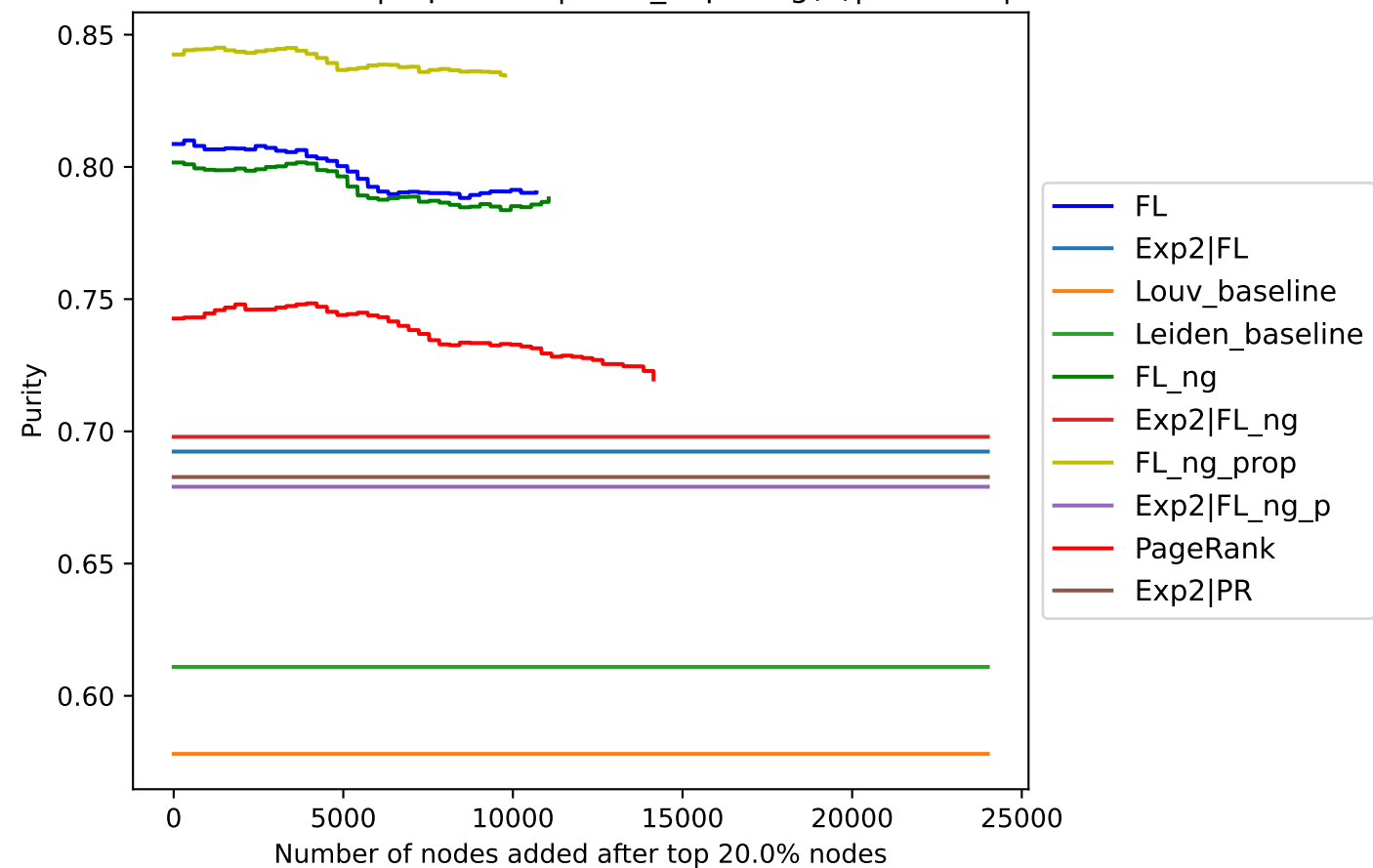
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 5|



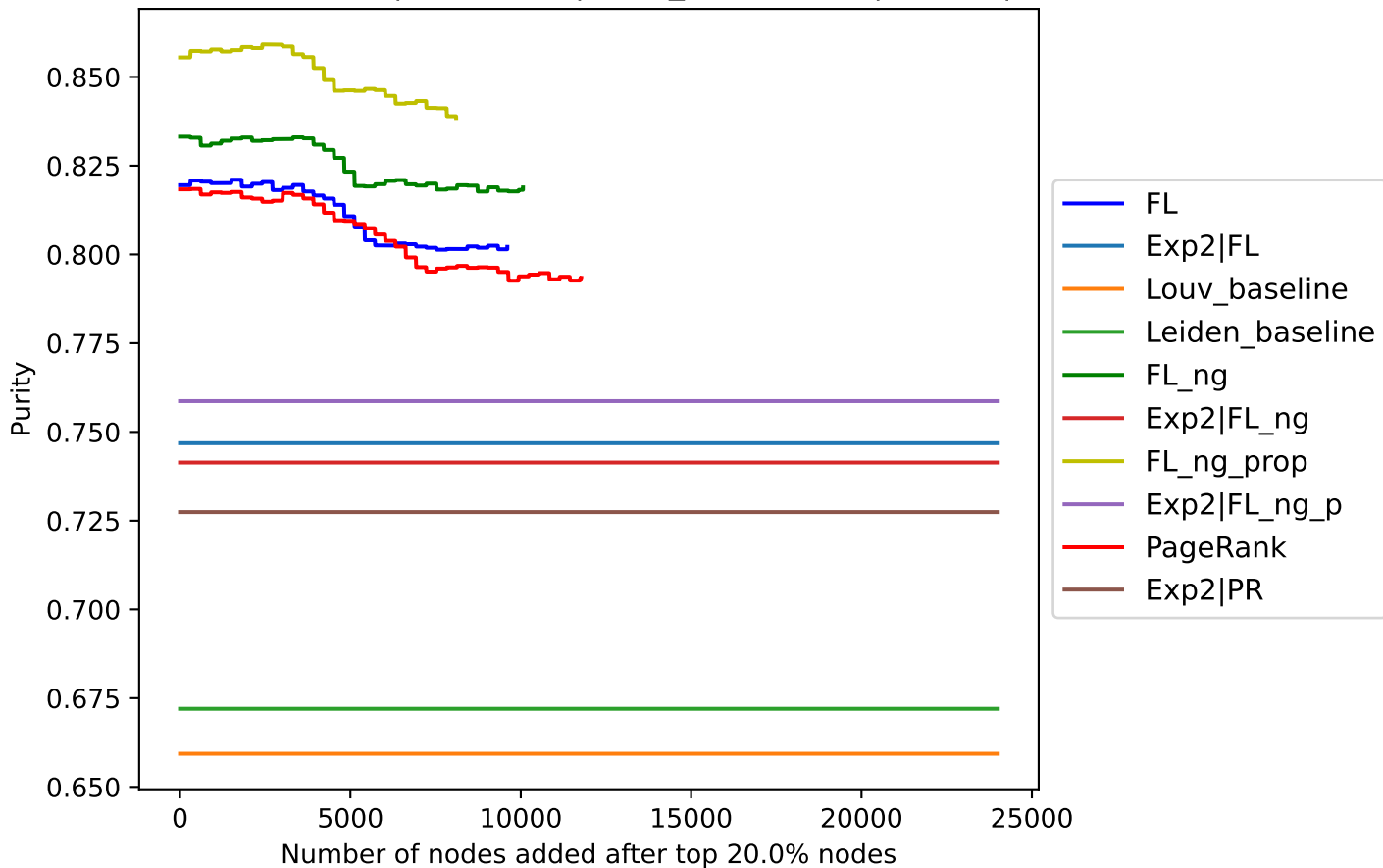
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.05|



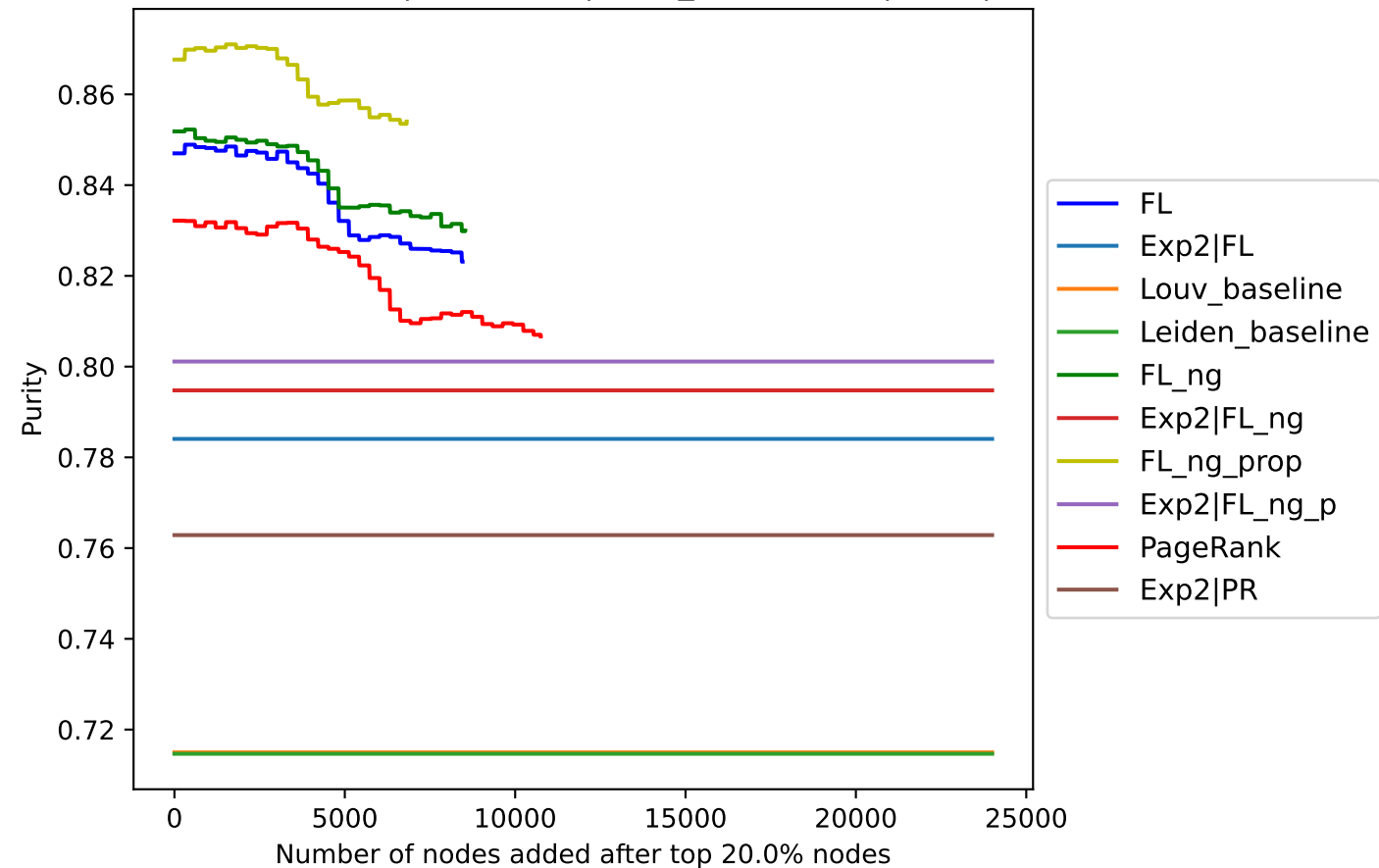
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.25|



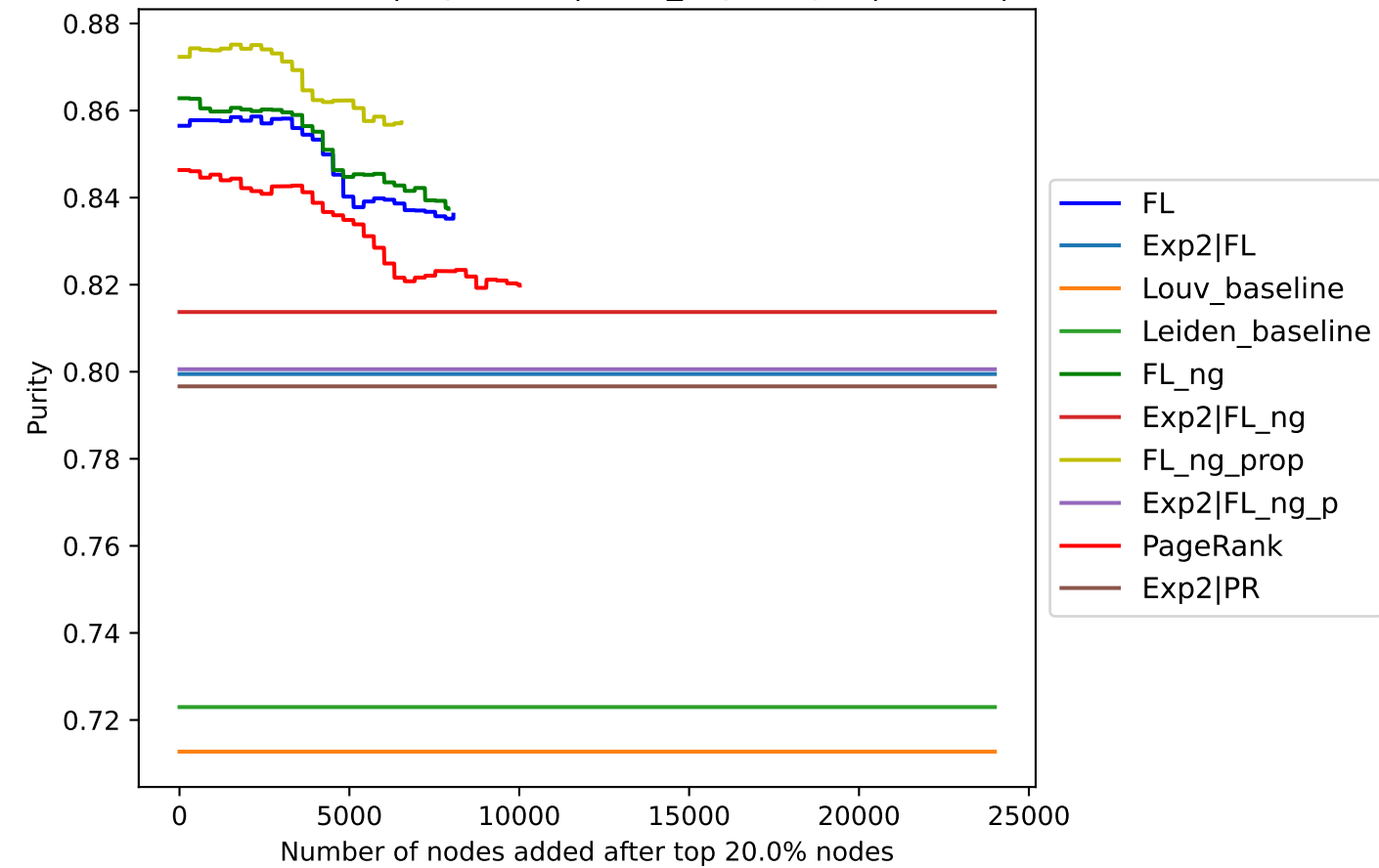
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.5|



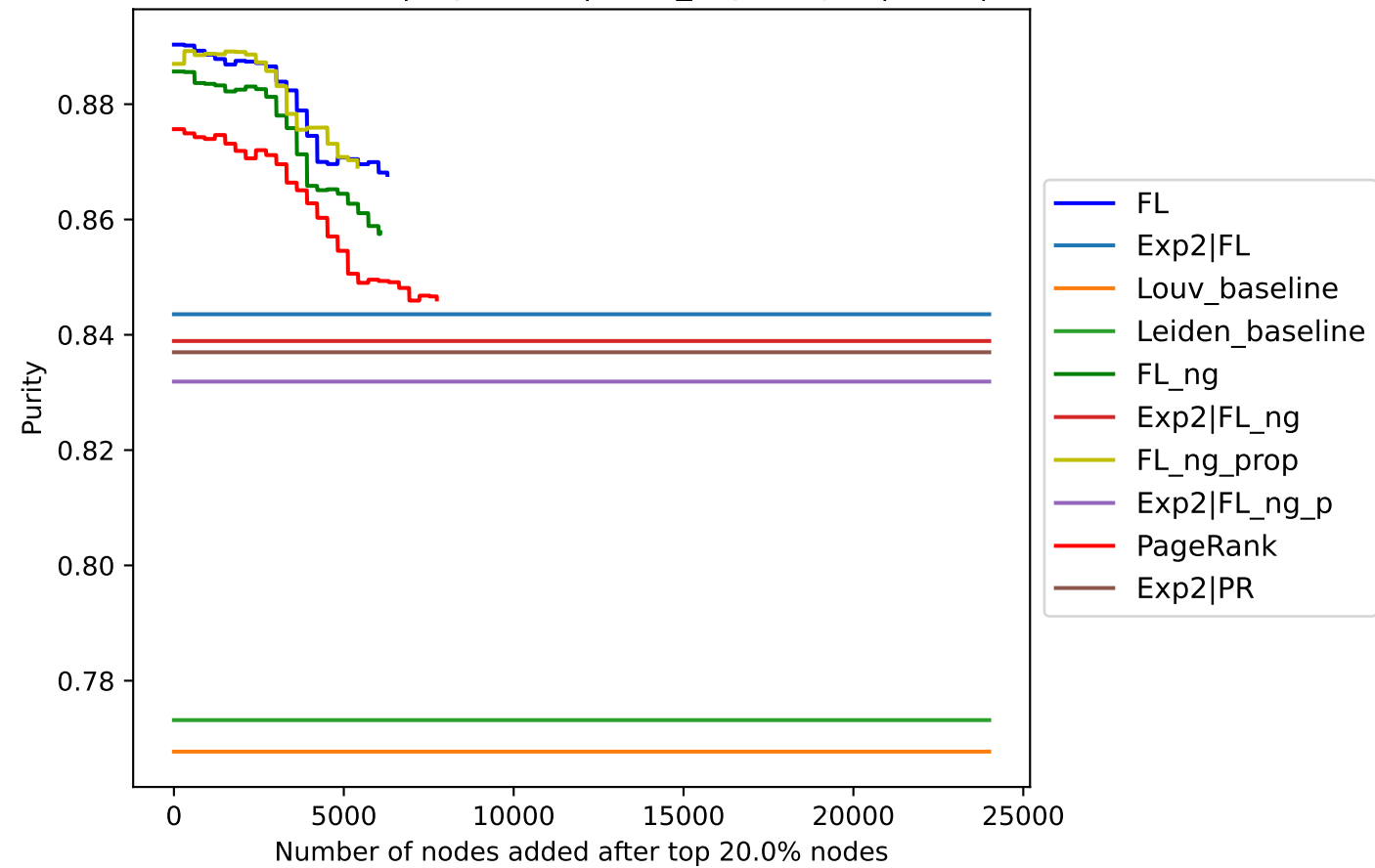
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1|



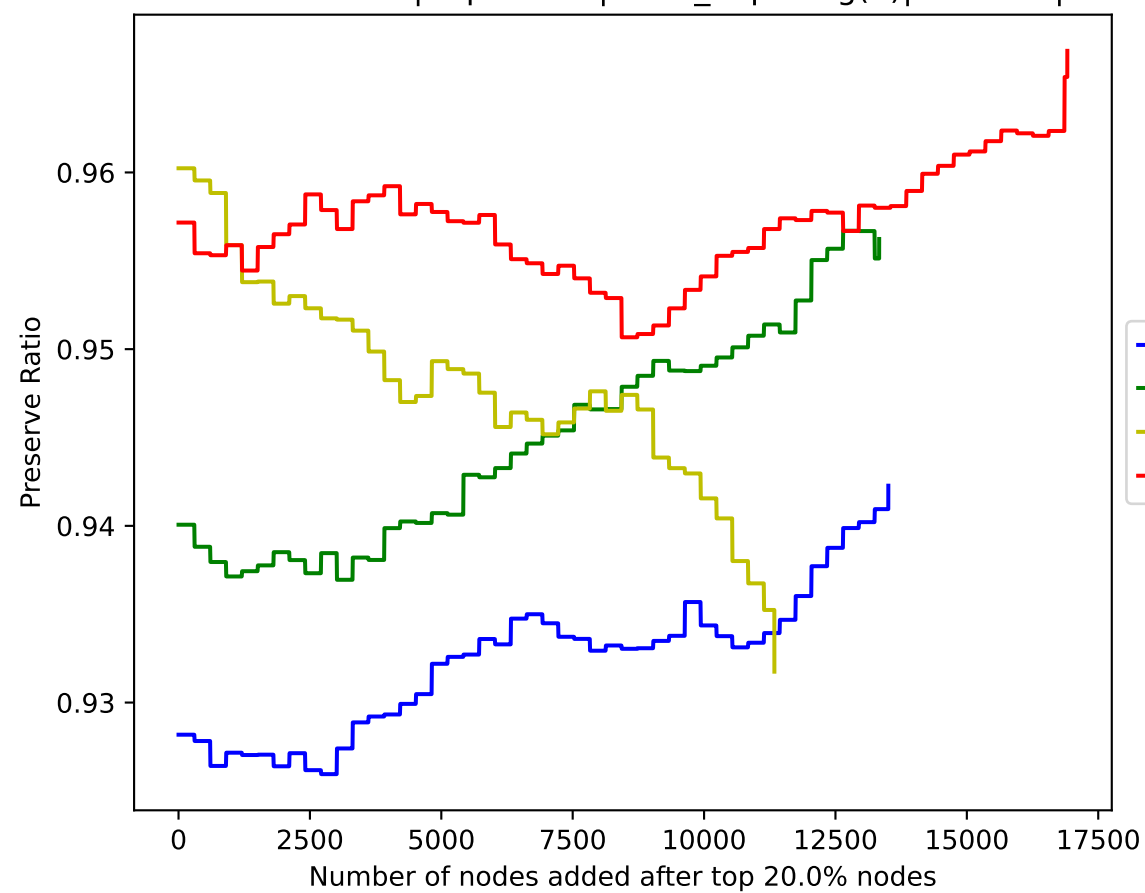
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1.5|



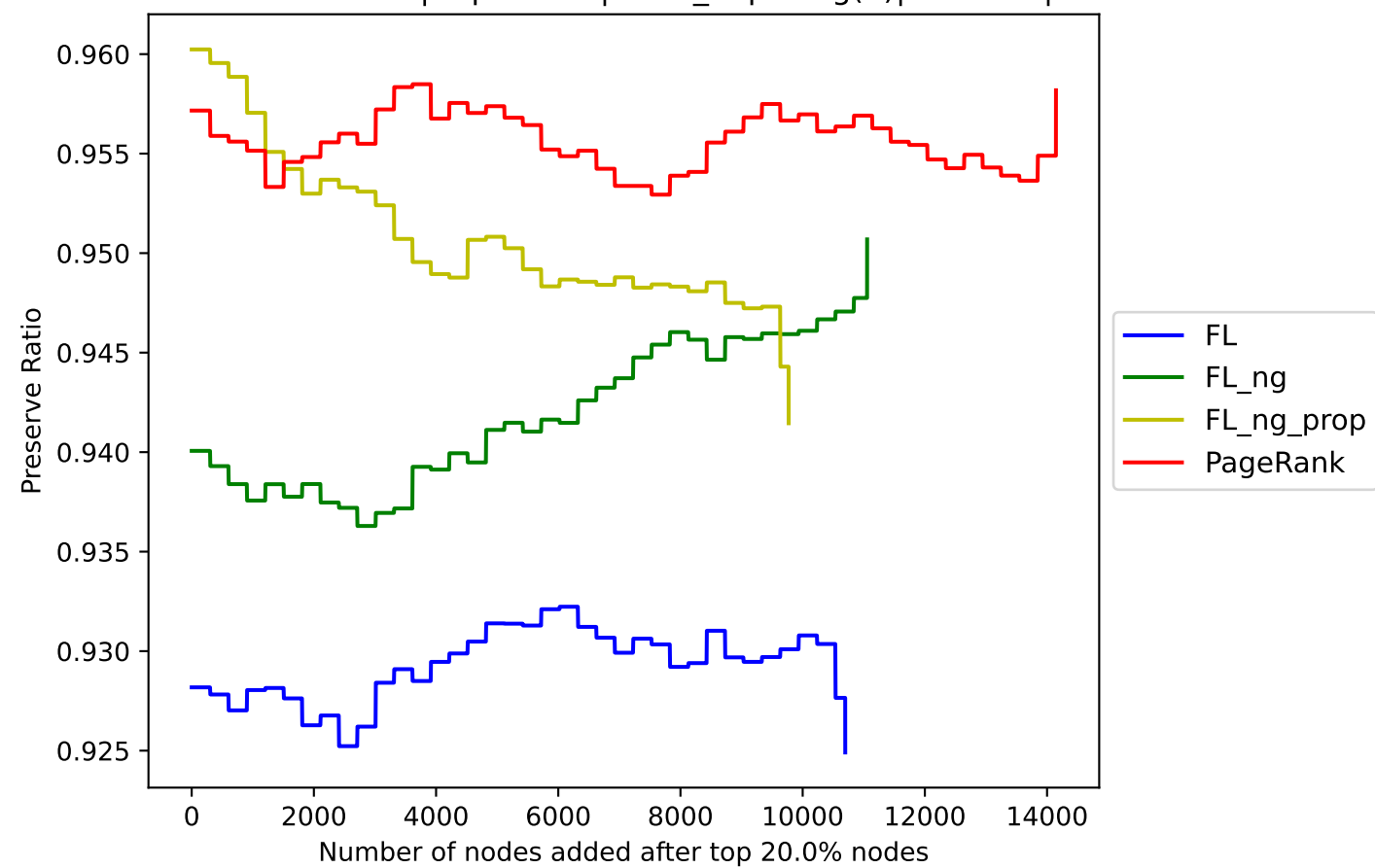
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 5|



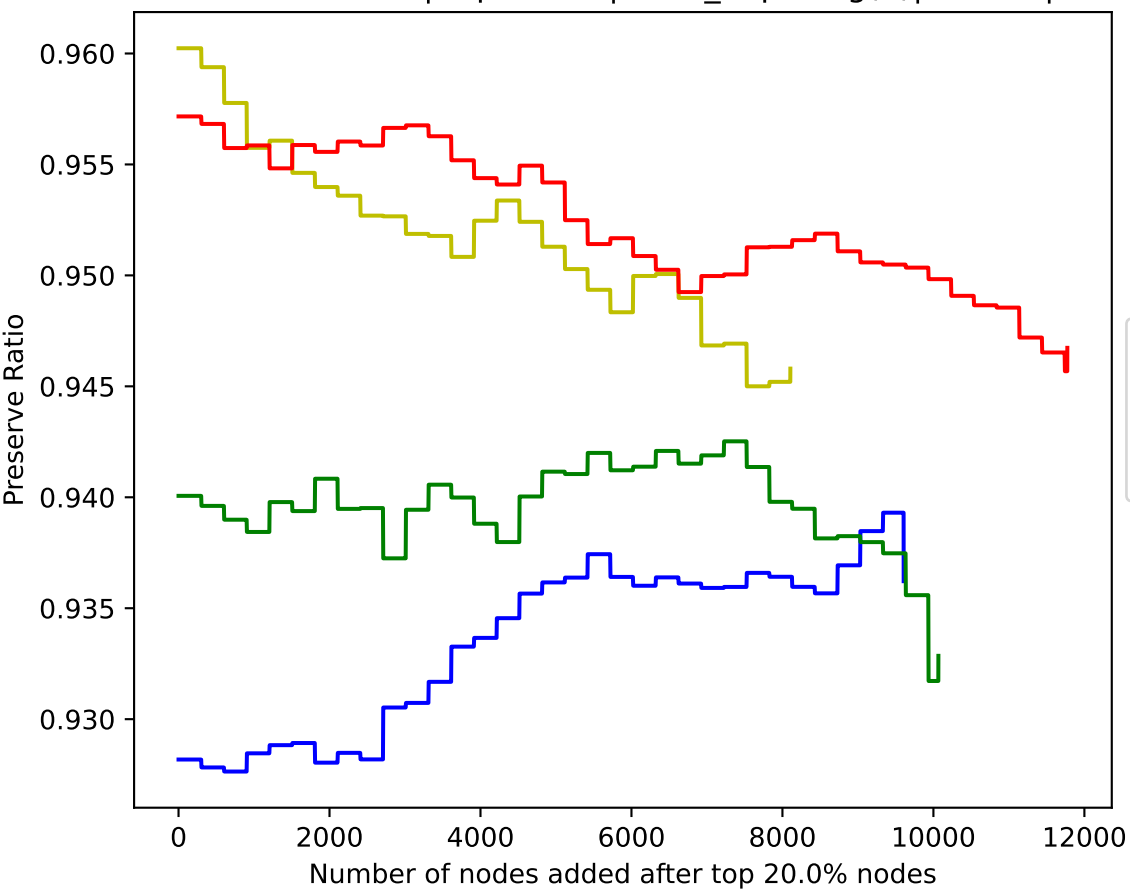
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.05|



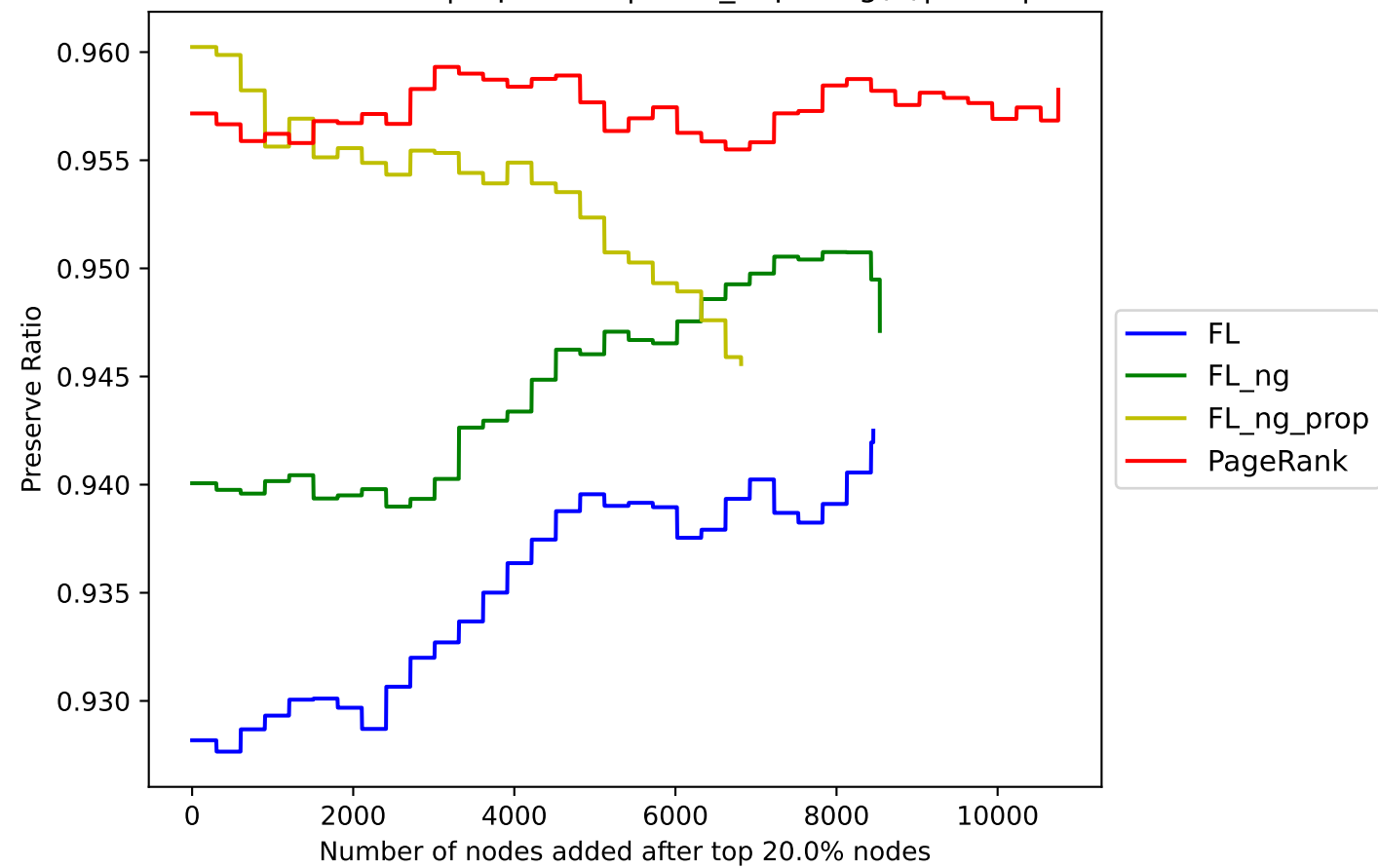
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.25|



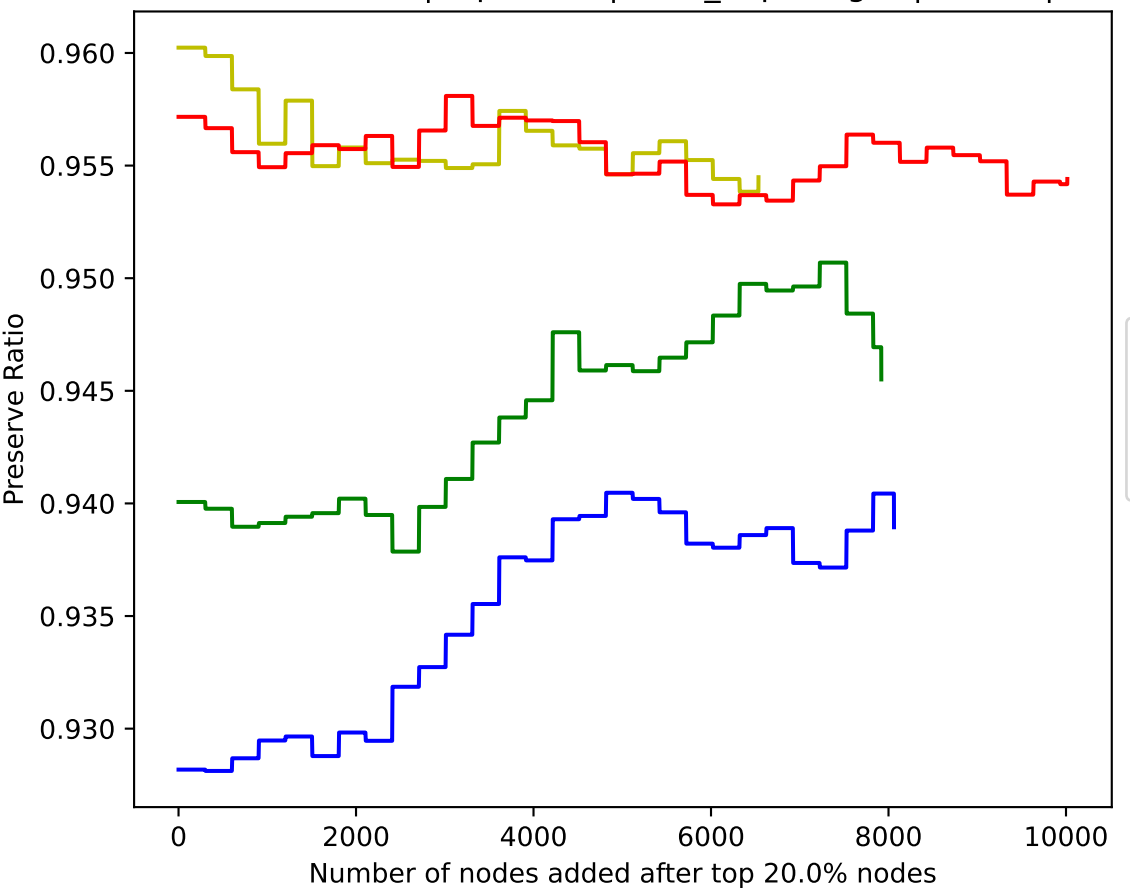
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.5|



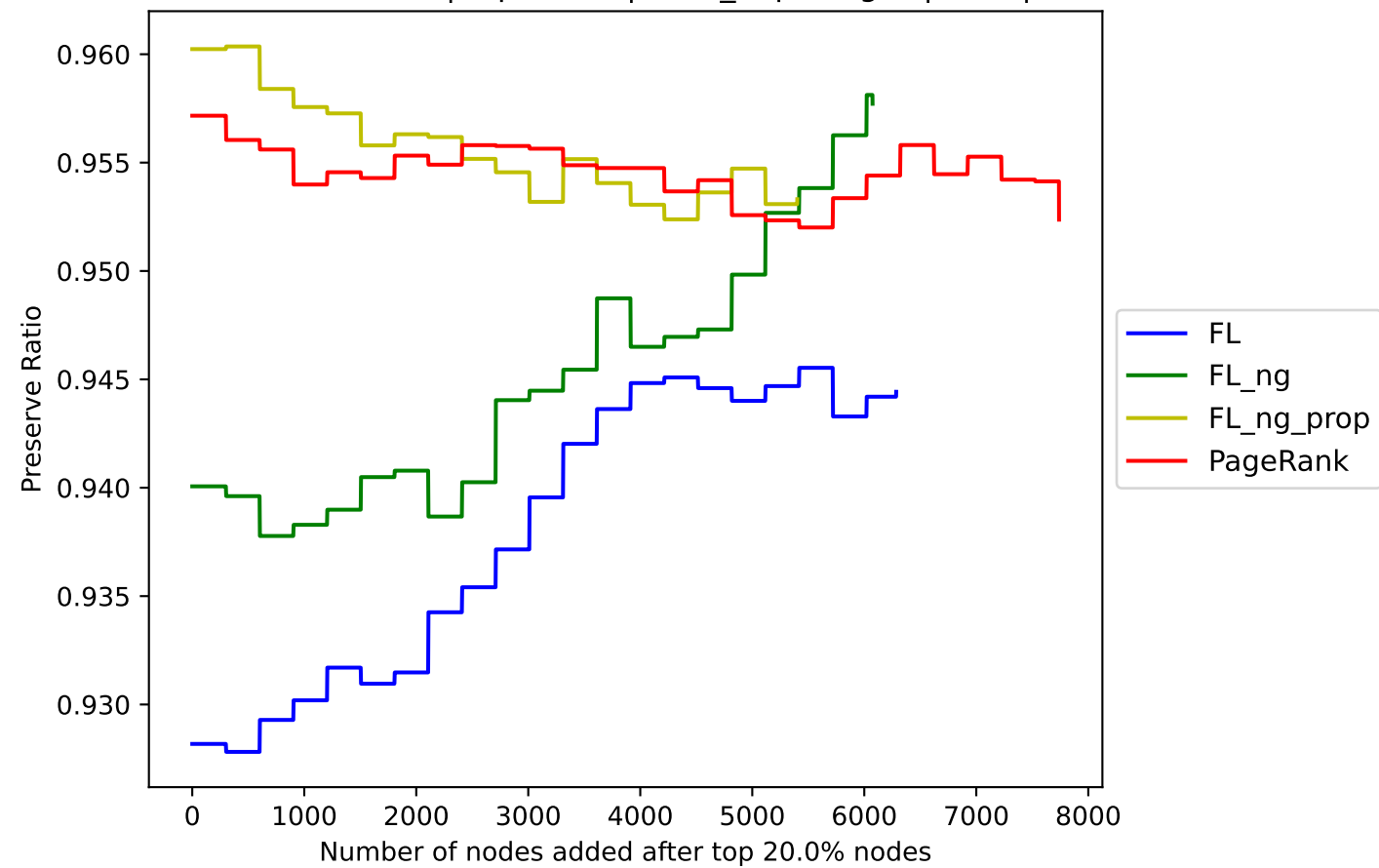
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1|



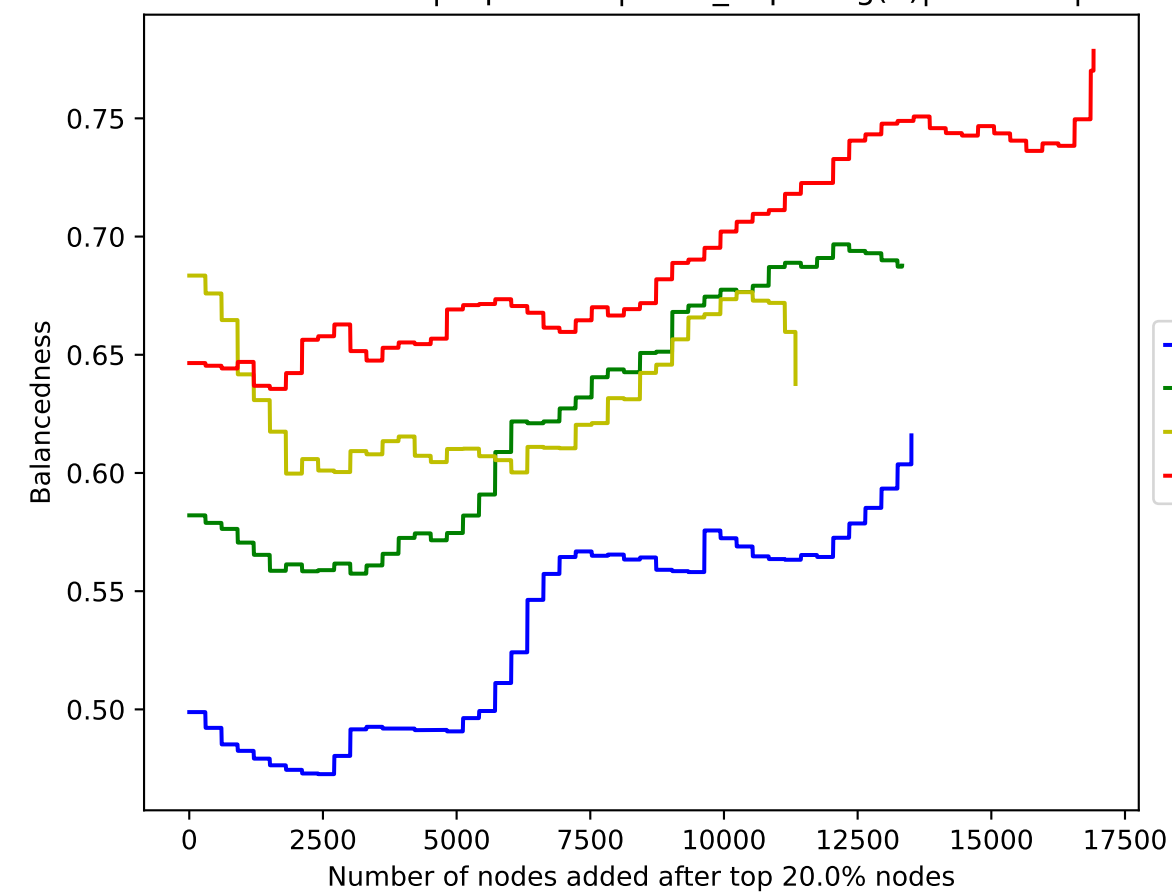
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1.5|



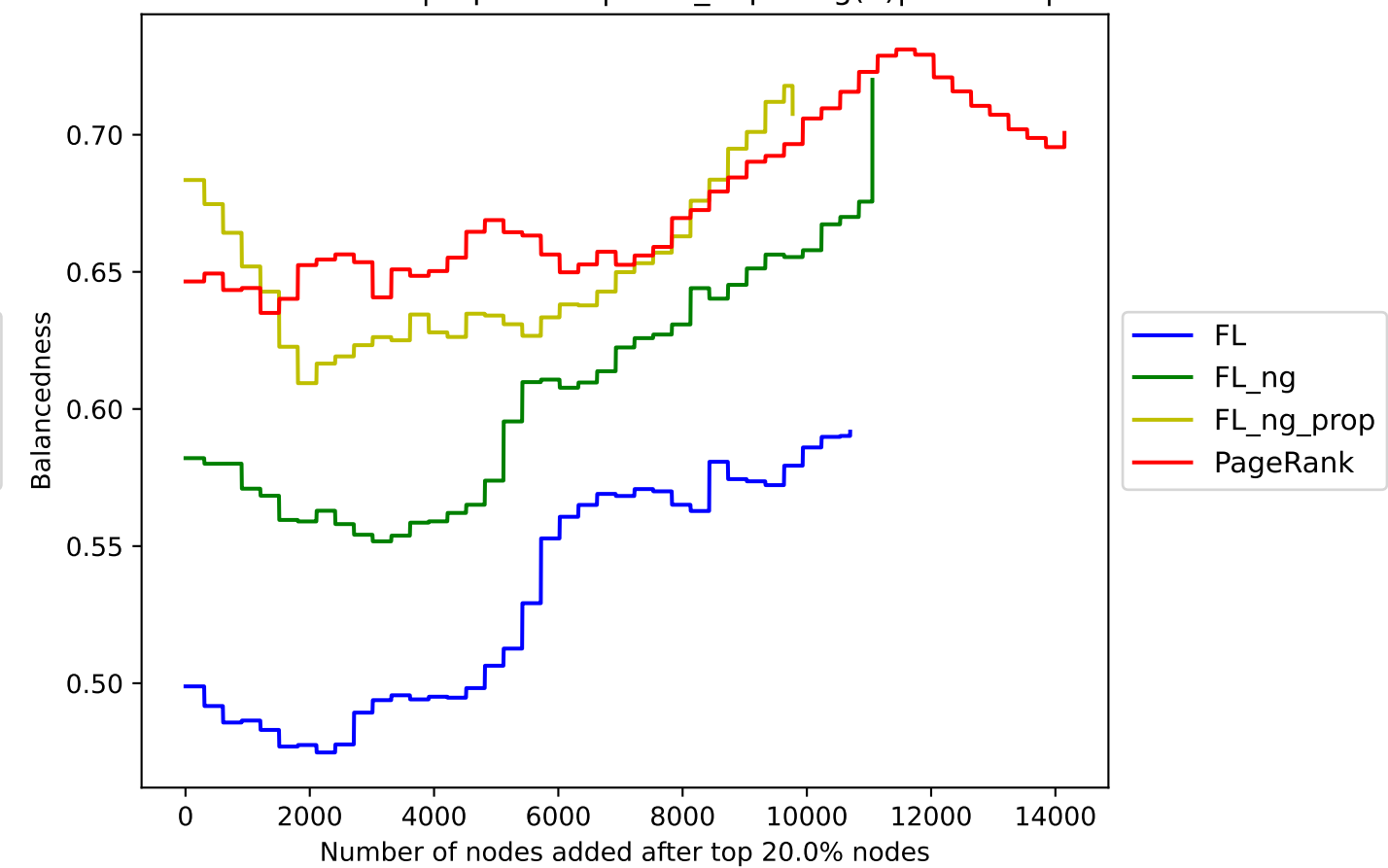
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 5|



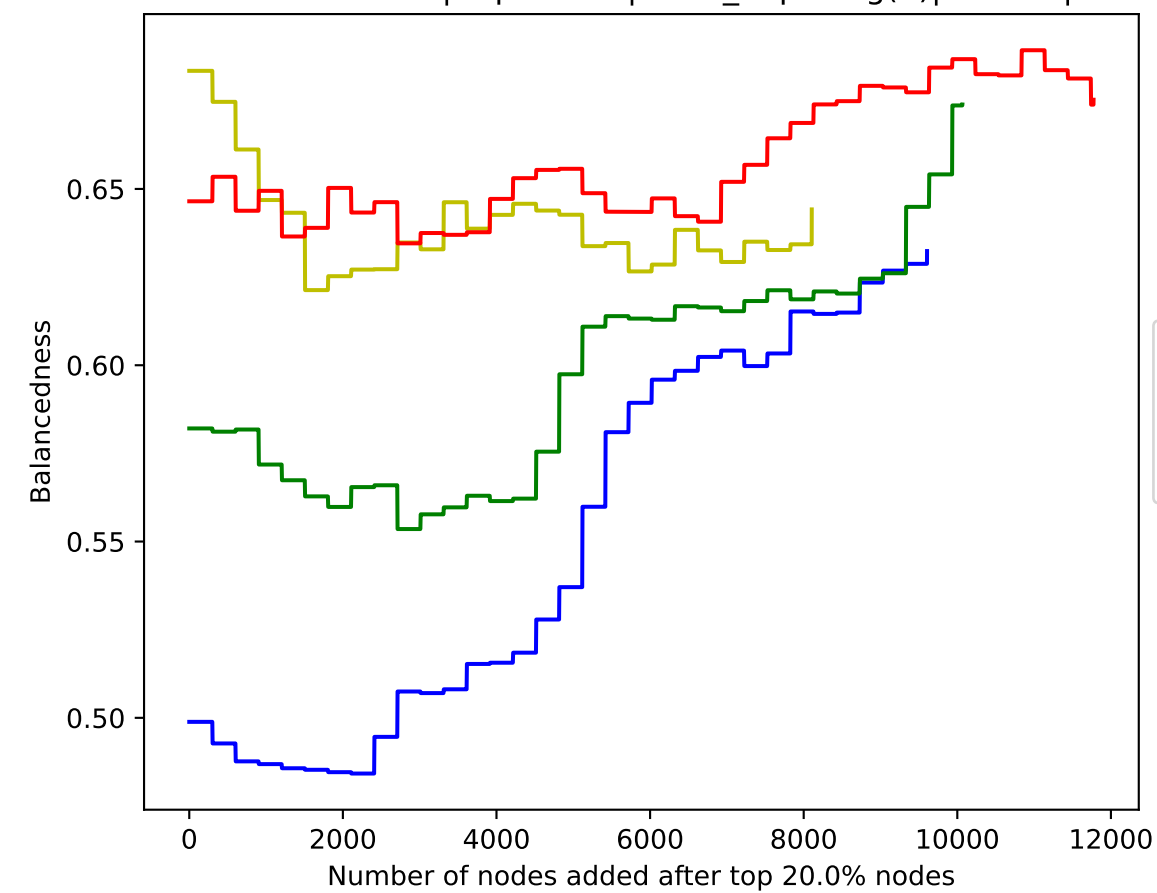
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.05|



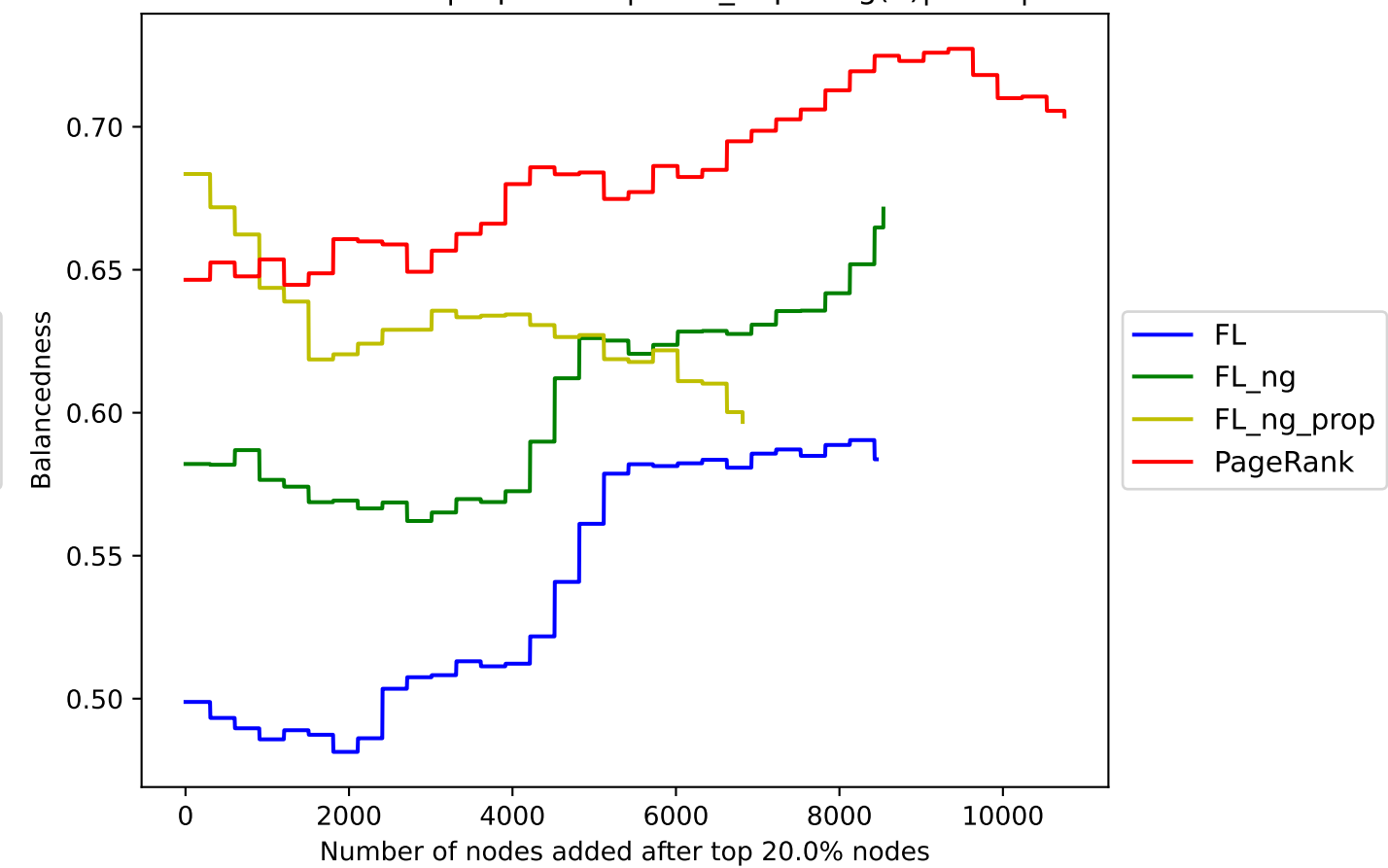
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.25|



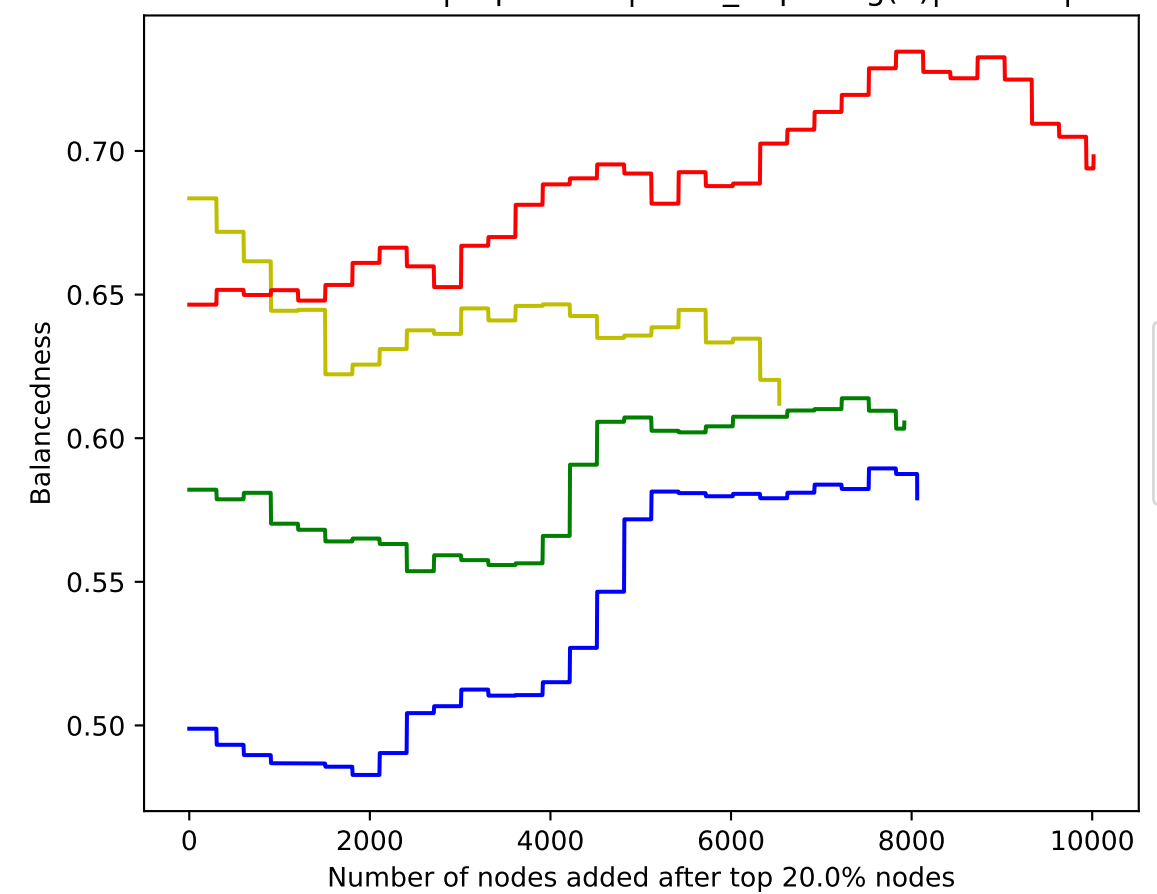
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.5|



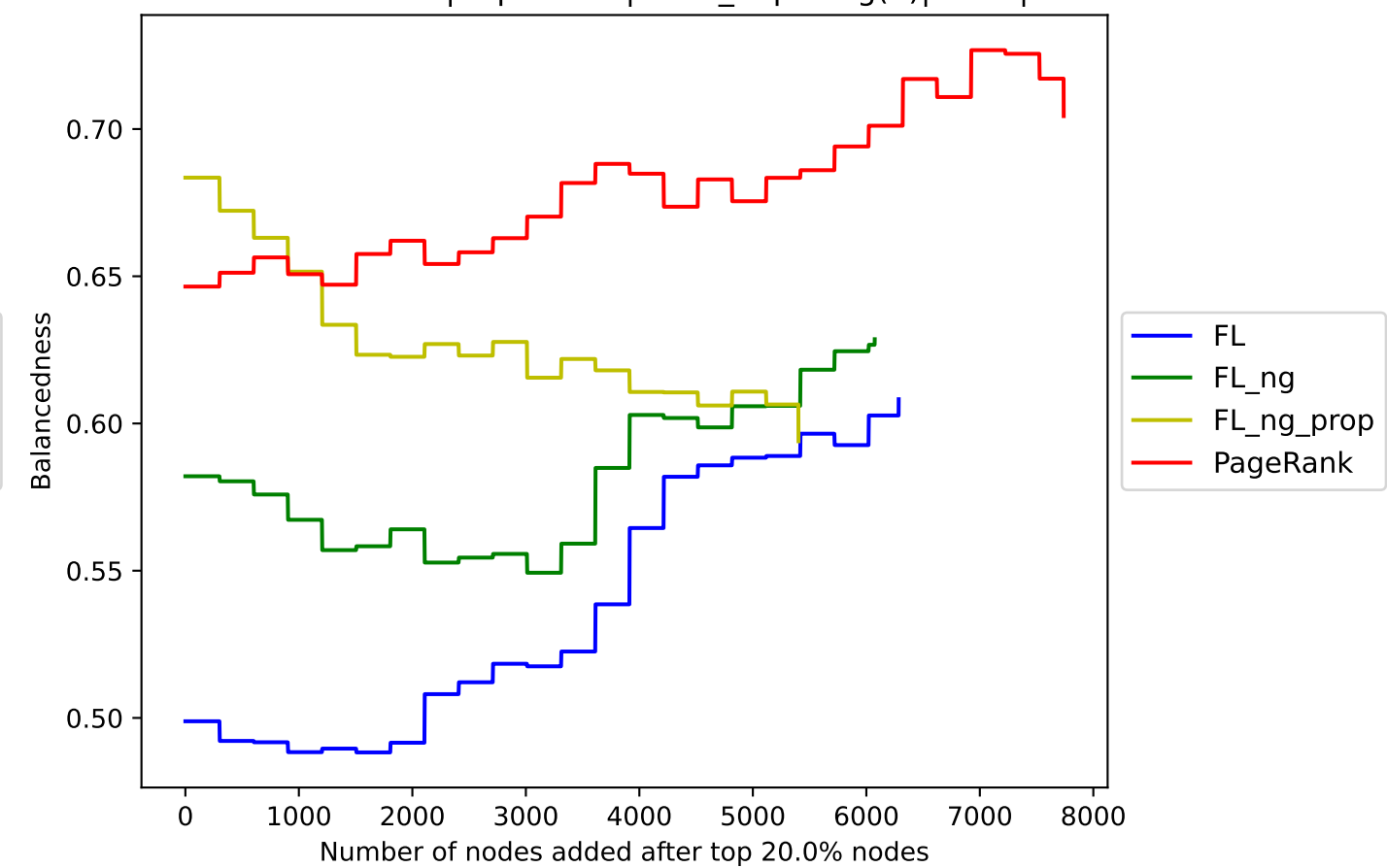
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1|



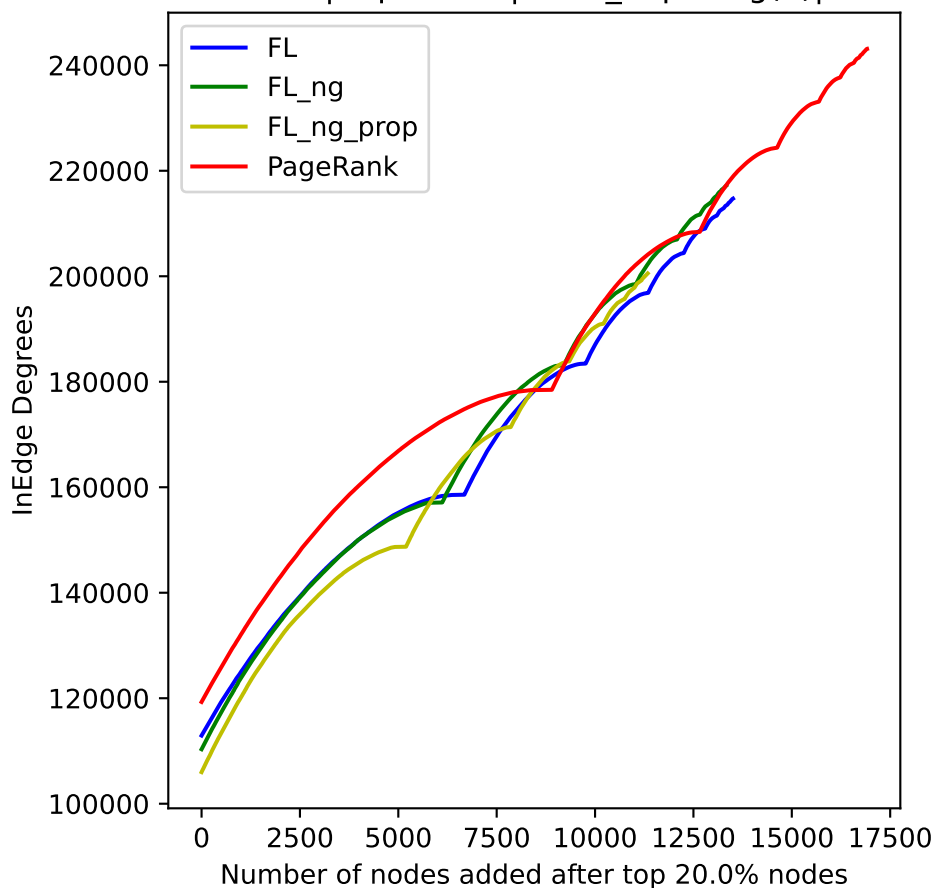
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 1.5|



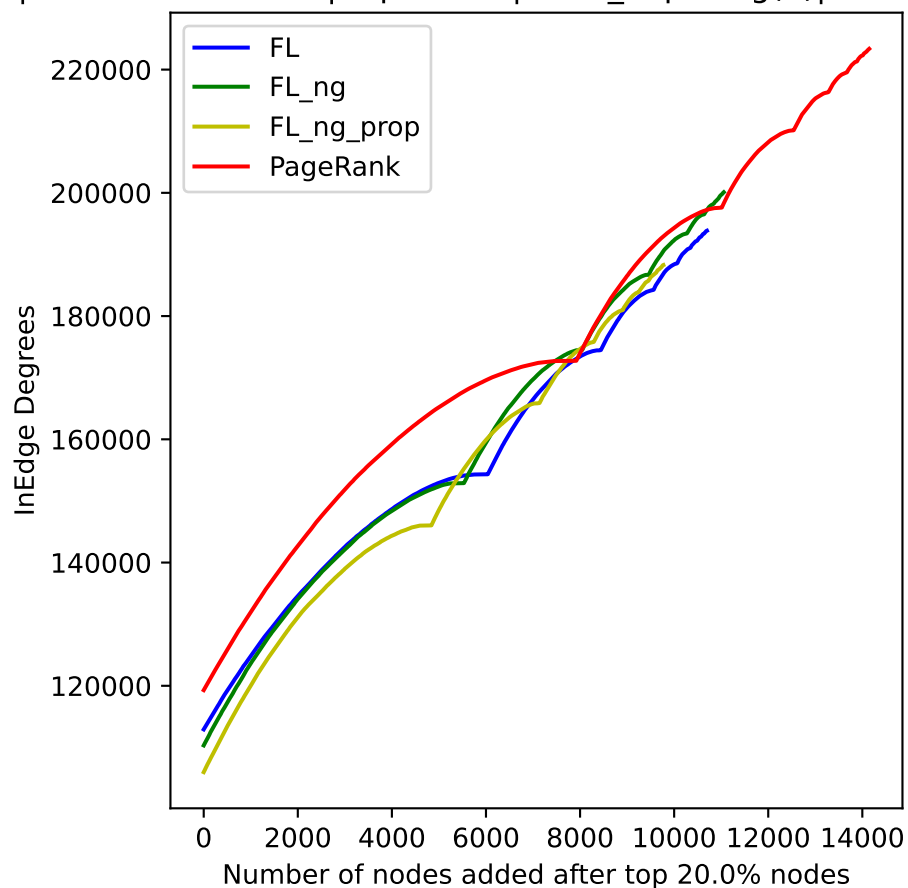
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 5|



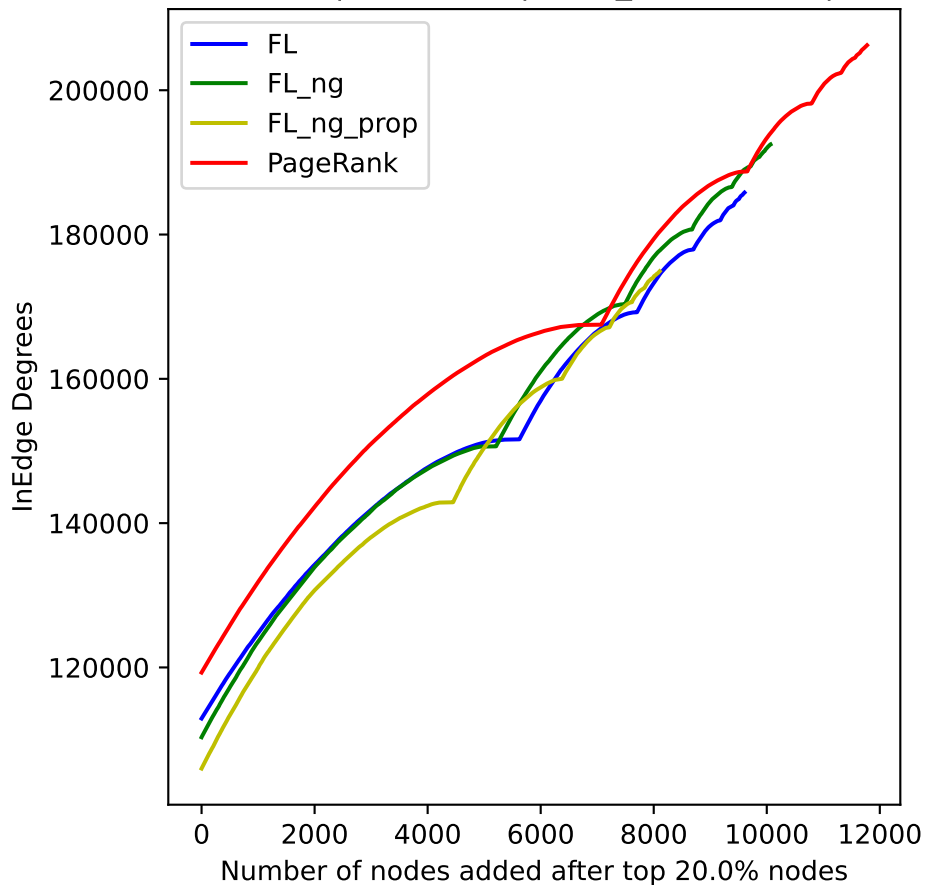
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.05|



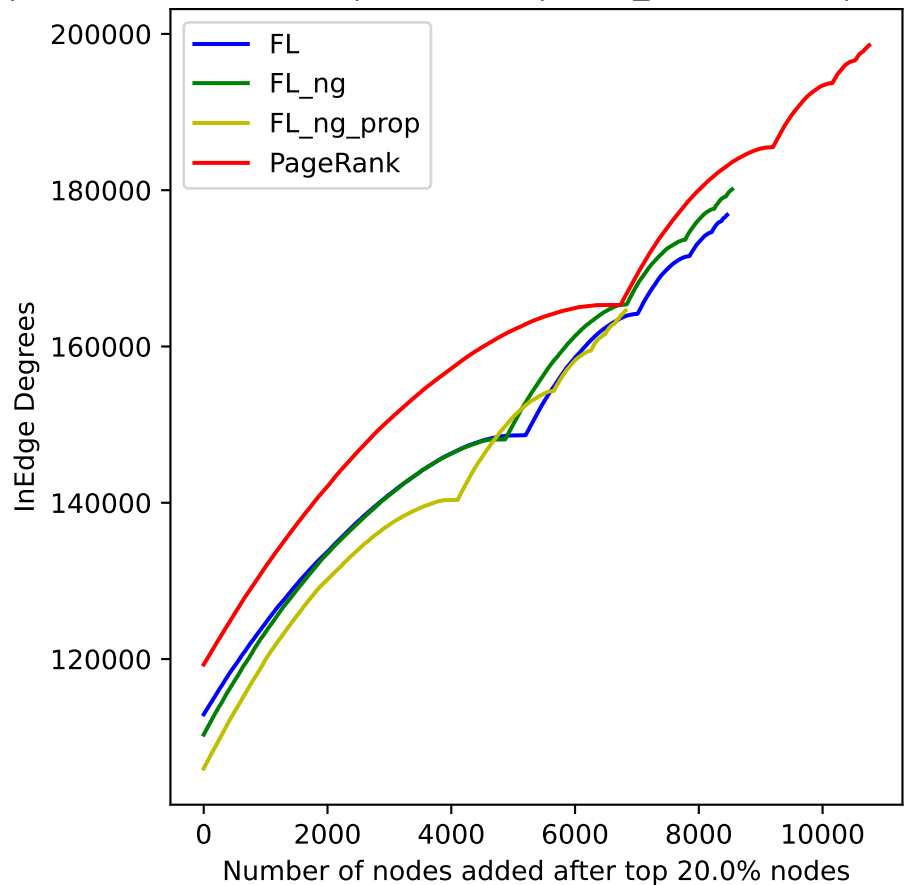
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.25|



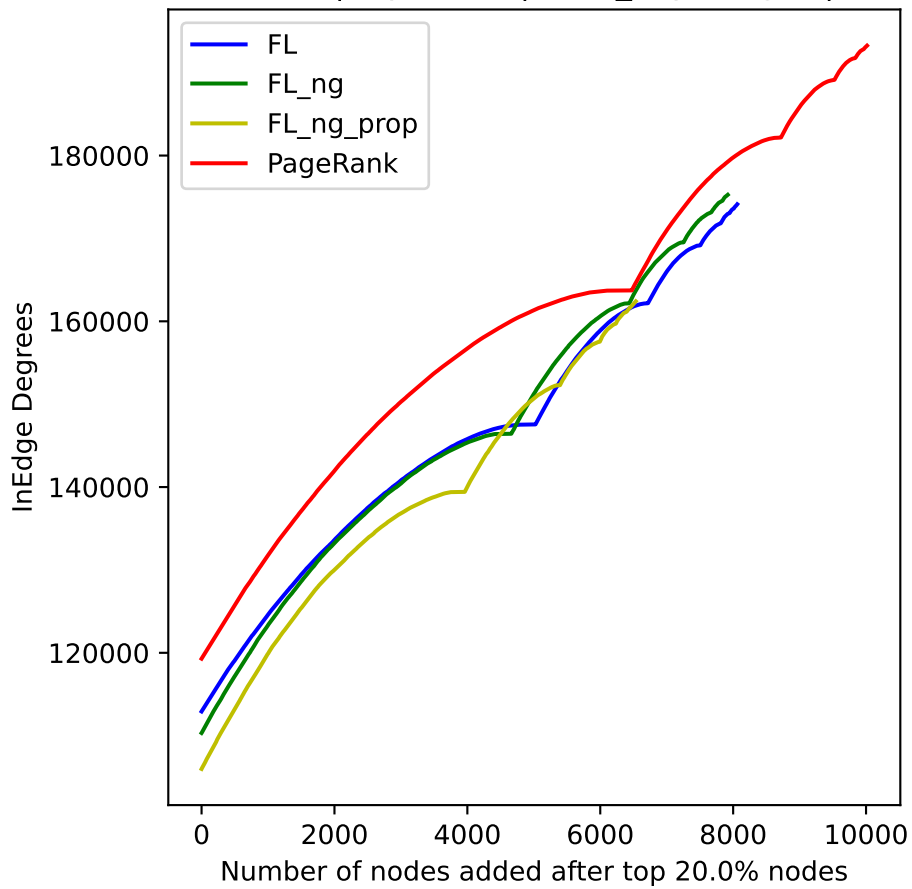
FashionMNIST | top 20.0%| Num\_hops: log(n)|res: 0.5|



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



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



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

