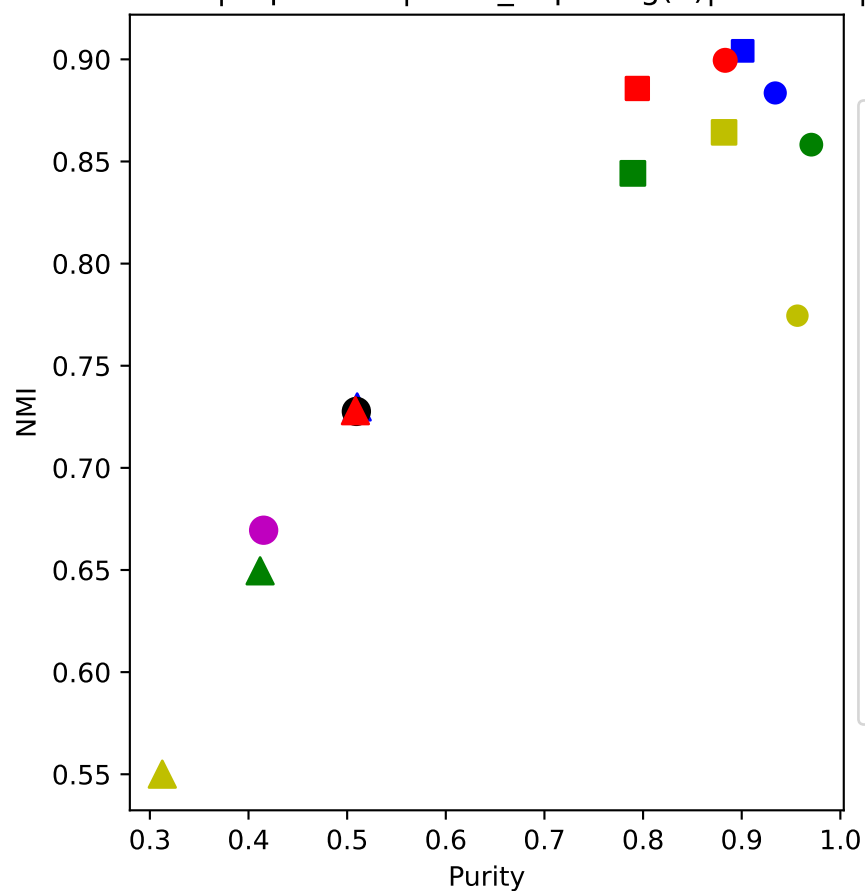
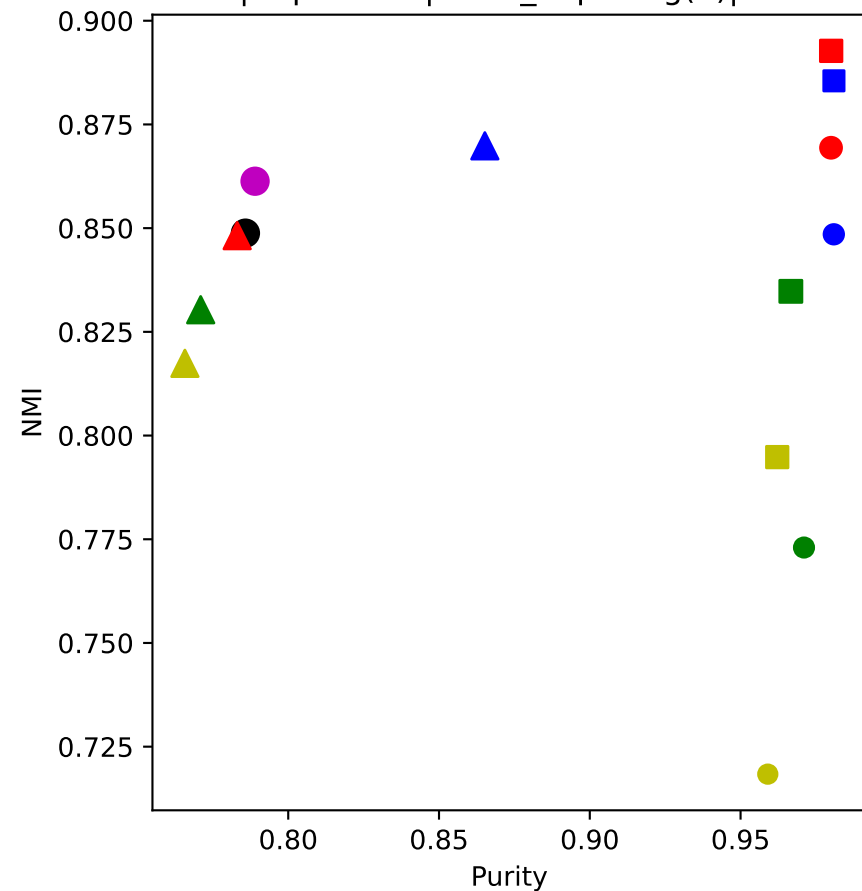


MNIST | top 20.0%| Num_hops: log(n)|res: 0.05|



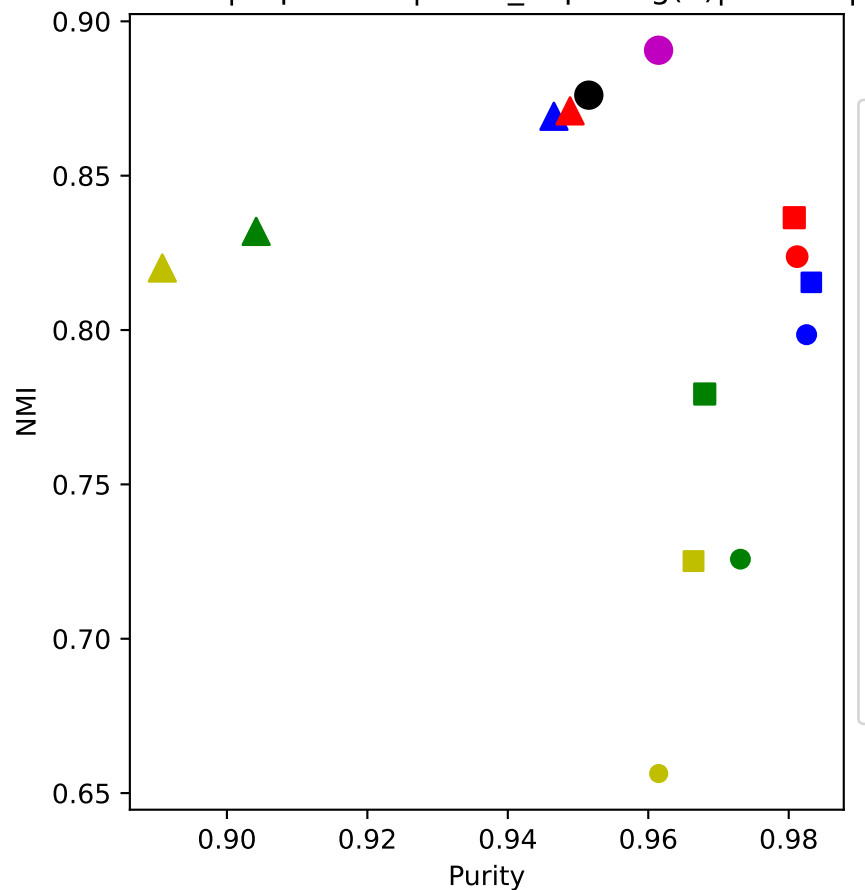
- FL|59.18% nodes
- (Louv_vote)X2|62.53% nodes
- Louv_after_vote
- Louv_baseline
- Leiden_baseline
- FL_ng|62.84% nodes
- (Louv_vote)X2|82.09% nodes
- Louv_after_vote
- FL_ng_prop|55.07% nodes
- (Louv_vote)X2|80.95% nodes
- Louv_after_vote
- PageRank|70.19% nodes
- (Louv_vote)X2|72.49% nodes
- Louv_after_vote

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



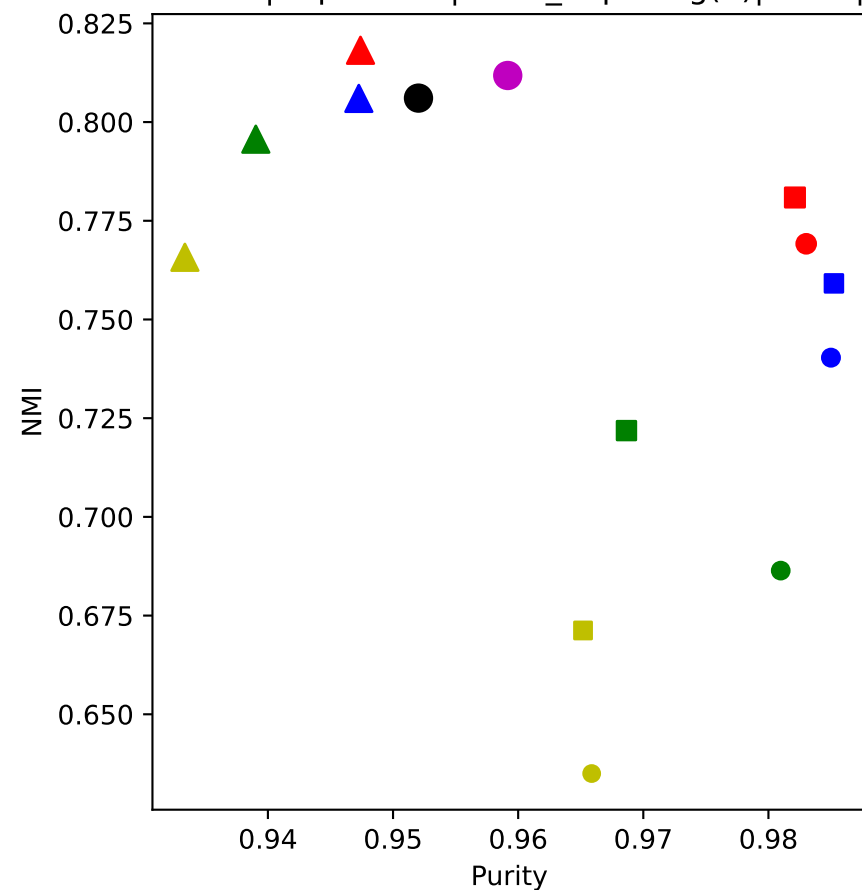
- FL|54.35% nodes
- (Louv_vote)X2|58.82% nodes
- Louv_after_vote
- Louv_baseline
- Leiden_baseline
- FL_ng|53.17% nodes
- (Louv_vote)X2|69.51% nodes
- Louv_after_vote
- FL_ng_prop|48.57% nodes
- (Louv_vote)X2|65.8% nodes
- Louv_after_vote
- PageRank|62.67% nodes
- (Louv_vote)X2|66.14% nodes
- Louv_after_vote

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



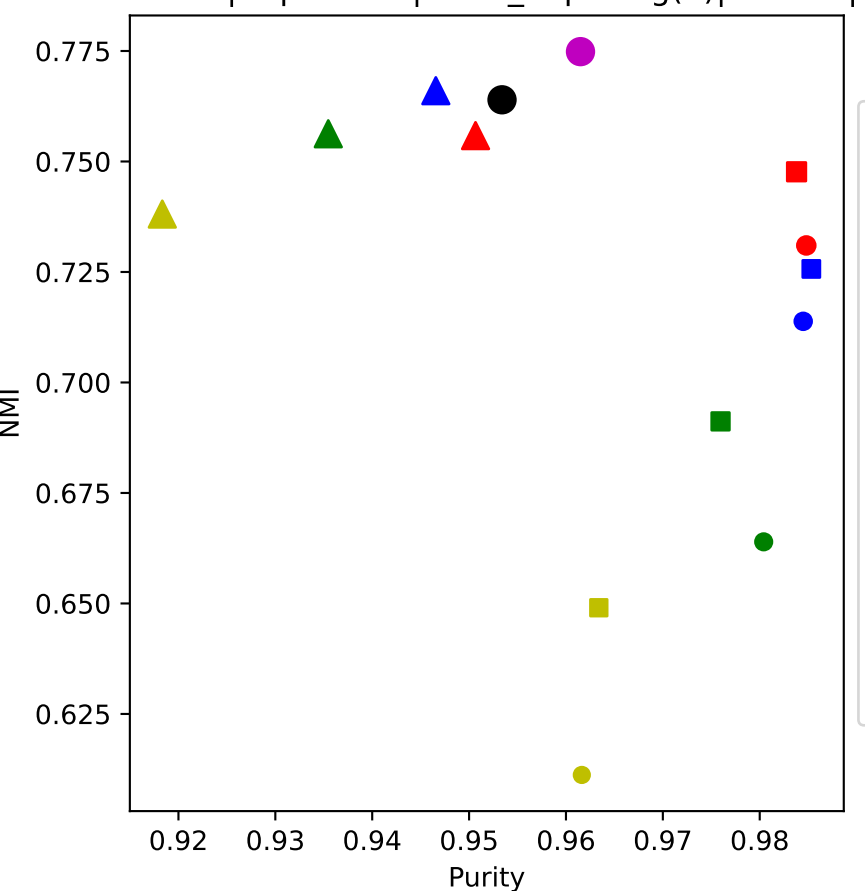
- FL|47.36% nodes
- (Louv_vote)X2|50.45% nodes
- Louv_after_vote
- Louv_baseline
- Leiden_baseline
- FL_ng|46.51% nodes
- (Louv_vote)X2|59.66% nodes
- Louv_after_vote
- FL_ng_prop|38.34% nodes
- (Louv_vote)X2|52.26% nodes
- Louv_after_vote
- PageRank|56.74% nodes
- (Louv_vote)X2|59.35% nodes
- Louv_after_vote

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



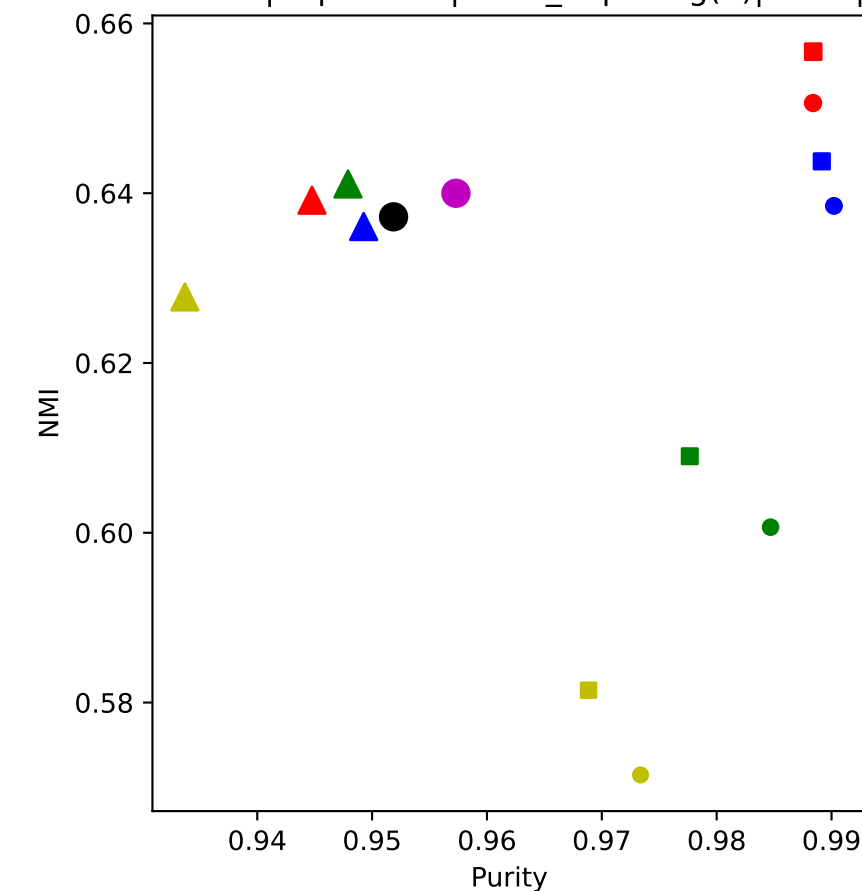
- FL|41.99% nodes
- (Louv_vote)X2|44.92% nodes
- Louv_after_vote
- Louv_baseline
- Leiden_baseline
- FL_ng|40.84% nodes
- (Louv_vote)X2|49.66% nodes
- Louv_after_vote
- FL_ng_prop|36.34% nodes
- (Louv_vote)X2|41.36% nodes
- Louv_after_vote
- PageRank|50.64% nodes
- (Louv_vote)X2|53.13% nodes
- Louv_after_vote

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



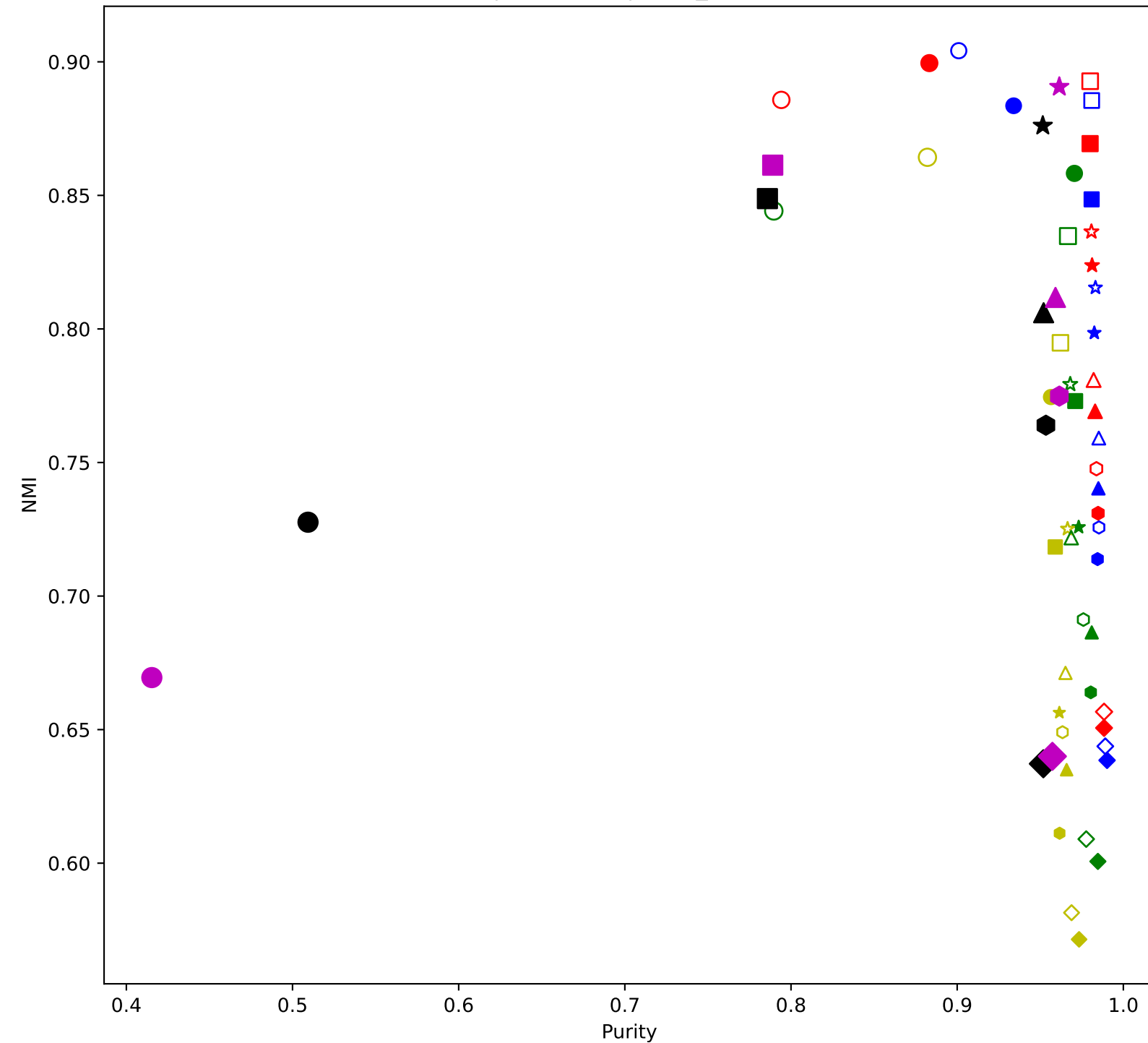
- FL|39.76% nodes
- (Louv_vote)X2|41.35% nodes
- Louv_after_vote
- Louv_baseline
- Leiden_baseline
- FL_ng|38.12% nodes
- (Louv_vote)X2|43.95% nodes
- Louv_after_vote
- FL_ng_prop|33.98% nodes
- (Louv_vote)X2|39.34% nodes
- Louv_after_vote
- PageRank|44.98% nodes
- (Louv_vote)X2|48.78% nodes
- Louv_after_vote

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



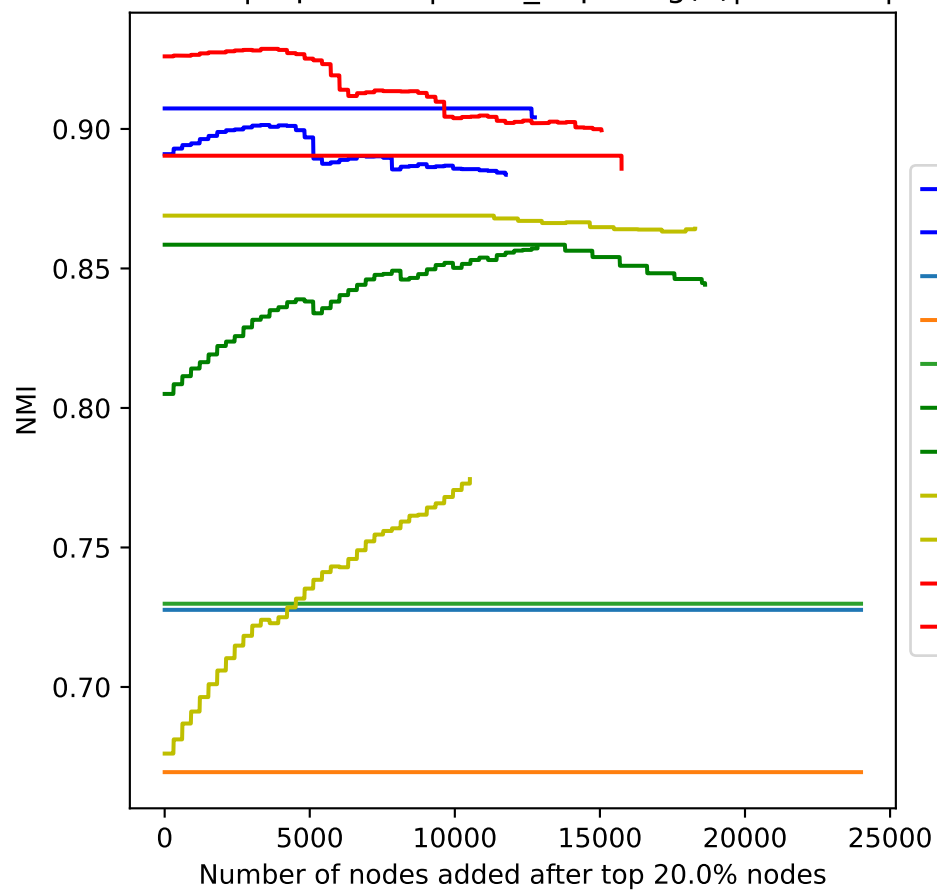
- FL|32.69% nodes
- (Louv_vote)X2|34.11% nodes
- Louv_after_vote
- Louv_baseline
- Leiden_baseline
- FL_ng|31.36% nodes
- (Louv_vote)X2|33.27% nodes
- Louv_after_vote
- FL_ng_prop|29.04% nodes
- (Louv_vote)X2|30.71% nodes
- Louv_after_vote
- PageRank|34.75% nodes
- (Louv_vote)X2|36.23% nodes
- Louv_after_vote

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

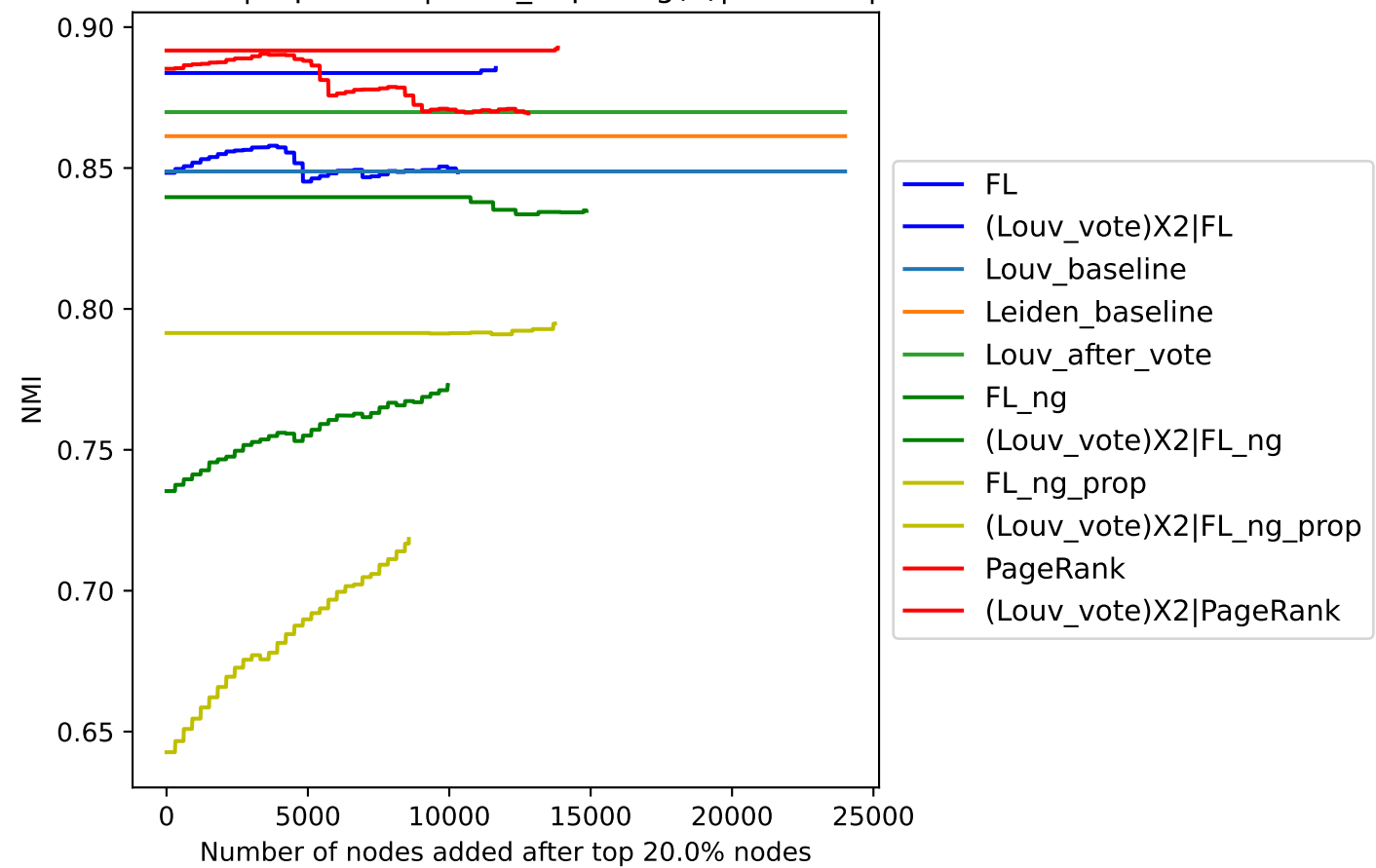


- | | |
|---------------------------------|--------------------------------|
| FL 0.05 59.18% nodes | FL 1 41.99% nodes |
| (Louv_vote)X2 0.05 62.53% nodes | (Louv_vote)X2 1 44.92% nodes |
| Louv_baseline 0.05 | Louv_baseline 1 |
| Leiden_baseline 0.05 | Leiden_baseline 1 |
| FL_ng 0.05 62.84% nodes | FL_ng 1 40.84% nodes |
| (Louv_vote)X2 0.05 82.09% nodes | (Louv_vote)X2 1 49.66% nodes |
| FL_ng_prop 0.05 55.07% nodes | FL_ng_prop 1 36.34% nodes |
| (Louv_vote)X2 0.05 80.95% nodes | (Louv_vote)X2 1 41.36% nodes |
| PageRank 0.05 70.19% nodes | PageRank 1 50.64% nodes |
| (Louv_vote)X2 0.05 72.49% nodes | (Louv_vote)X2 1 53.13% nodes |
| FL 0.25 54.35% nodes | FL 1.5 39.76% nodes |
| (Louv_vote)X2 0.25 58.82% nodes | (Louv_vote)X2 1.5 41.35% nodes |
| Louv_baseline 0.25 | Louv_baseline 1.5 |
| Leiden_baseline 0.25 | Leiden_baseline 1.5 |
| FL_ng 0.25 53.17% nodes | FL_ng 1.5 38.12% nodes |
| (Louv_vote)X2 0.25 69.51% nodes | (Louv_vote)X2 1.5 43.95% nodes |
| FL_ng_prop 0.25 48.57% nodes | FL_ng_prop 1.5 33.98% nodes |
| (Louv_vote)X2 0.25 65.8% nodes | (Louv_vote)X2 1.5 39.34% nodes |
| PageRank 0.25 62.67% nodes | PageRank 1.5 44.98% nodes |
| (Louv_vote)X2 0.25 66.14% nodes | (Louv_vote)X2 1.5 48.78% nodes |
| FL 0.5 47.36% nodes | FL 5 32.69% nodes |
| (Louv_vote)X2 0.5 50.45% nodes | (Louv_vote)X2 5 34.11% nodes |
| Louv_baseline 0.5 | Louv_baseline 5 |
| Leiden_baseline 0.5 | Leiden_baseline 5 |
| FL_ng 0.5 46.51% nodes | FL_ng 5 31.36% nodes |
| (Louv_vote)X2 0.5 59.66% nodes | (Louv_vote)X2 5 33.27% nodes |
| FL_ng_prop 0.5 38.34% nodes | FL_ng_prop 5 29.04% nodes |
| (Louv_vote)X2 0.5 52.26% nodes | (Louv_vote)X2 5 30.71% nodes |
| PageRank 0.5 56.74% nodes | PageRank 5 34.75% nodes |
| (Louv_vote)X2 0.5 59.35% nodes | (Louv_vote)X2 5 36.23% nodes |

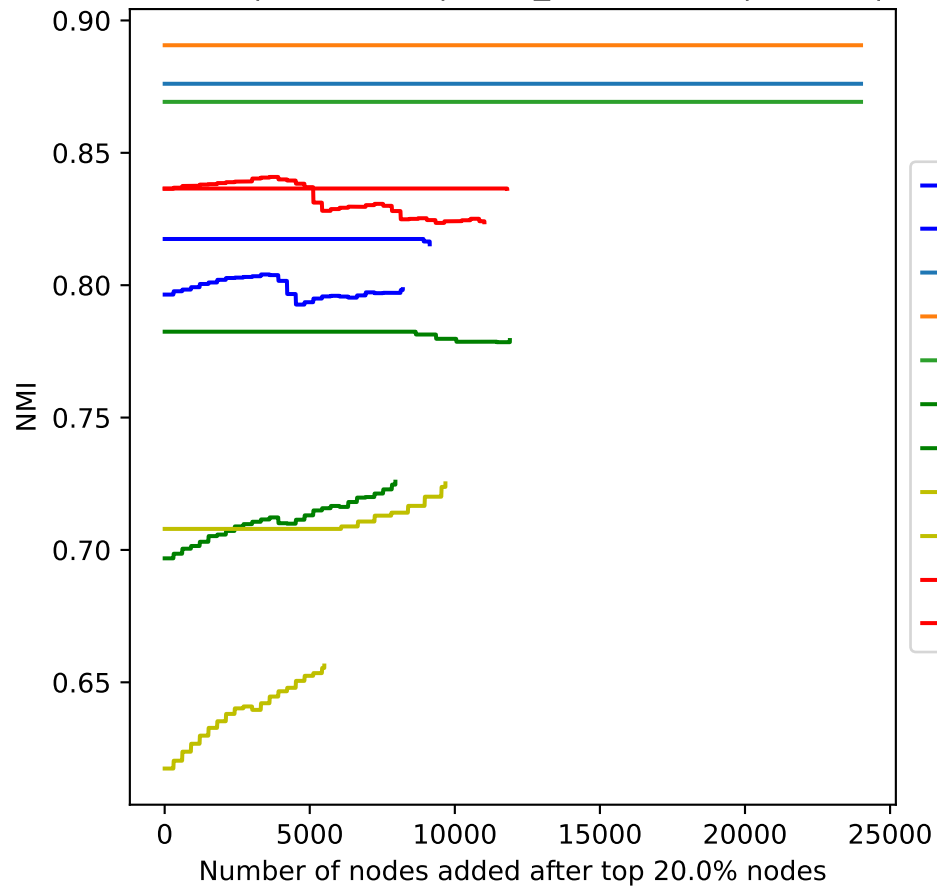
MNIST | top 20.0%| Num_hops: log(n)|res: 0.05|



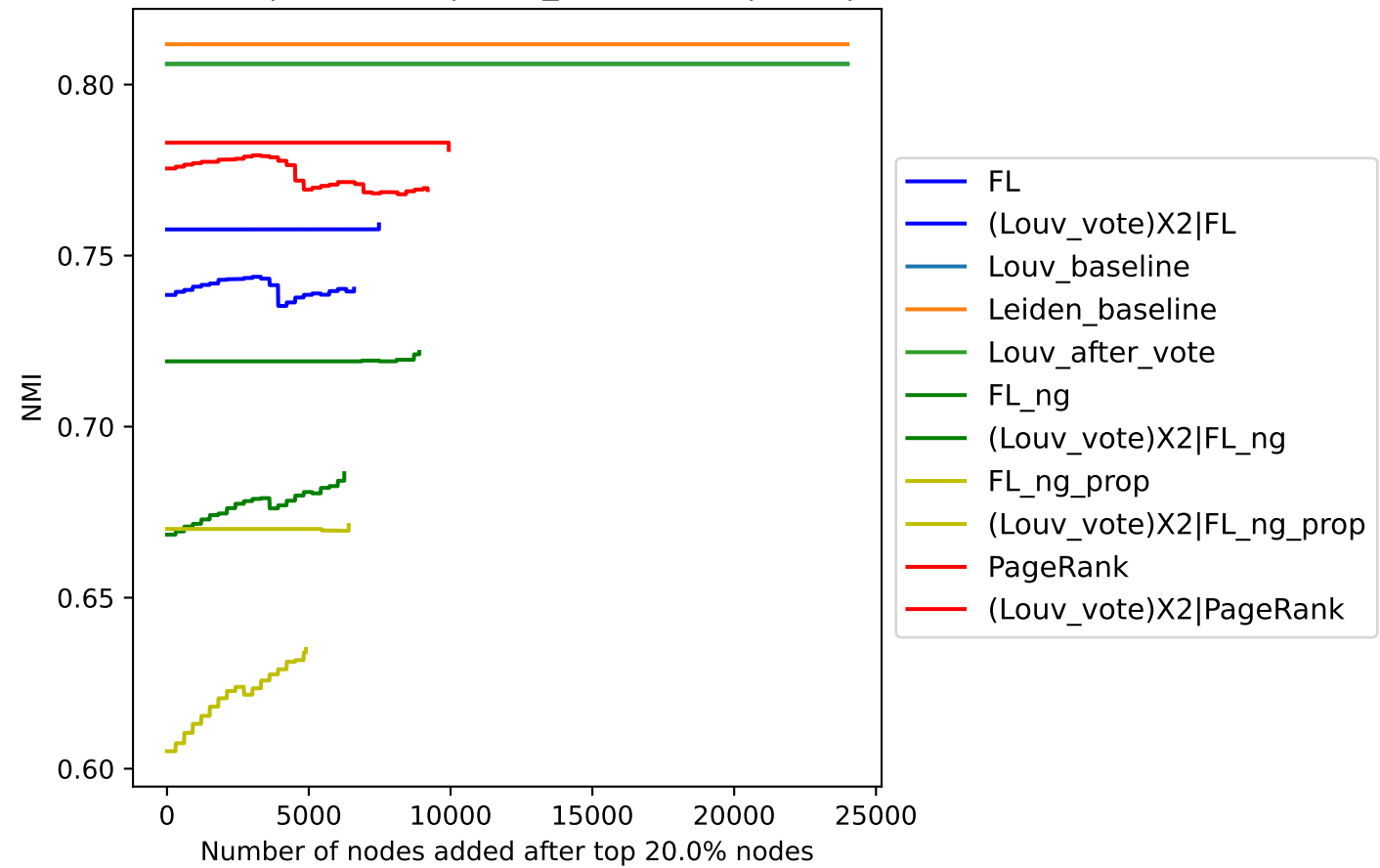
MNIST | top 20.0%| Num_hops: log(n)|res: 0.25|



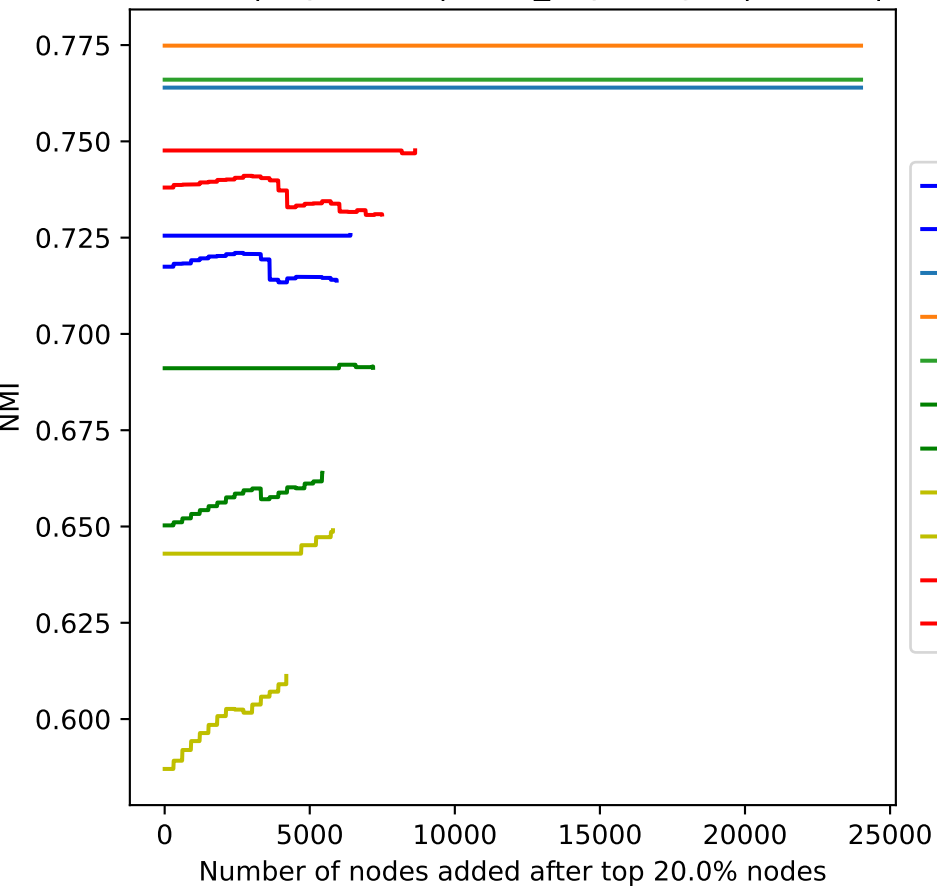
MNIST | top 20.0%| Num_hops: log(n)|res: 0.5|



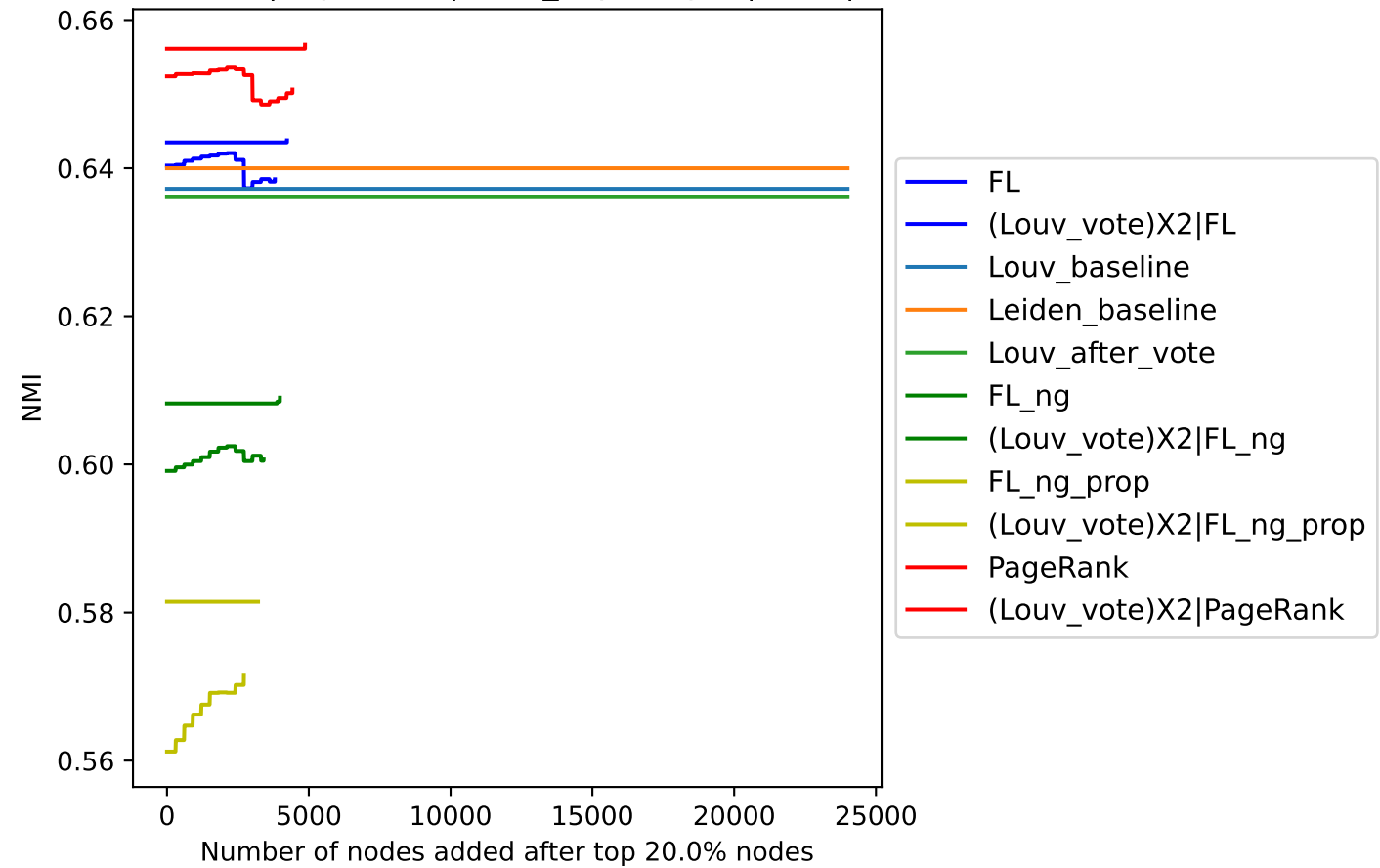
MNIST | top 20.0%| Num_hops: log(n)|res: 1|



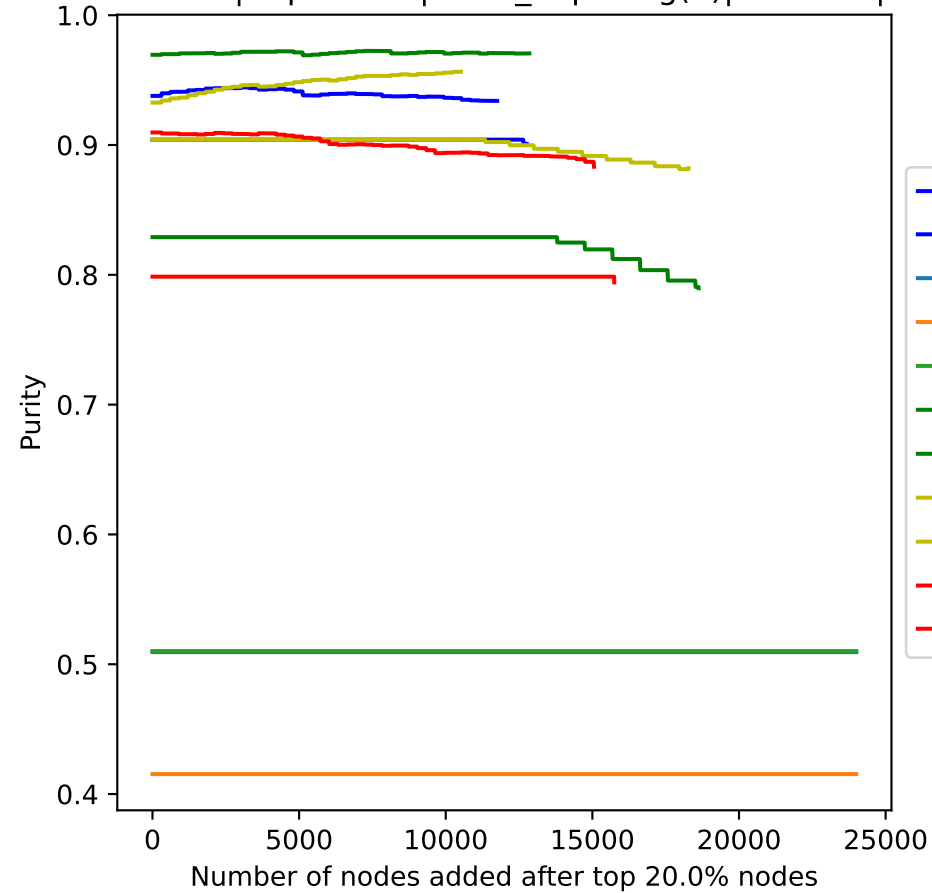
MNIST | top 20.0%| Num_hops: log(n)|res: 1.5|



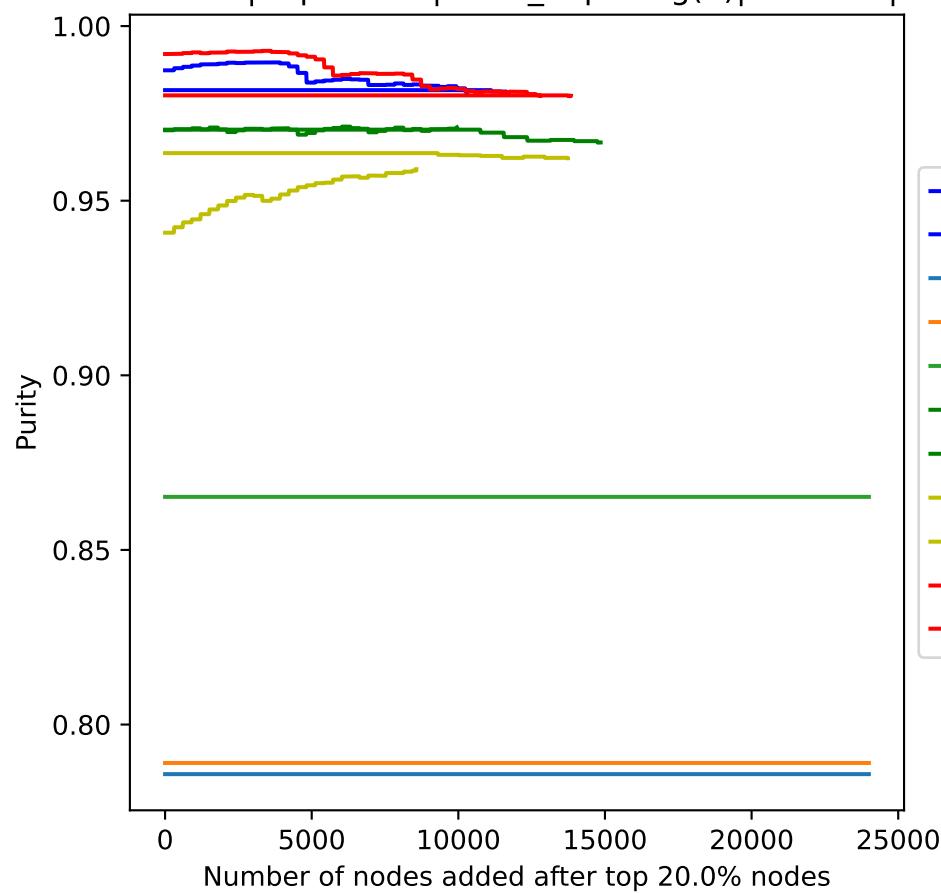
MNIST | top 20.0%| Num_hops: log(n)|res: 5|



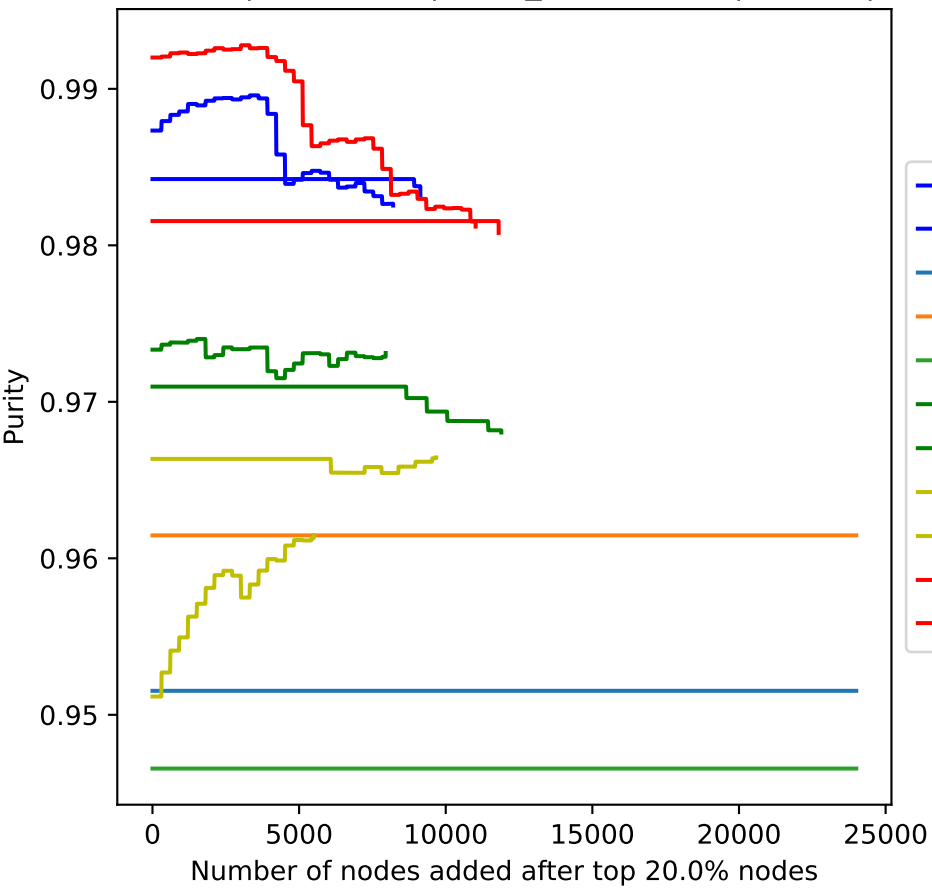
MNIST | top 20.0%| Num_hops: log(n)|res: 0.05|



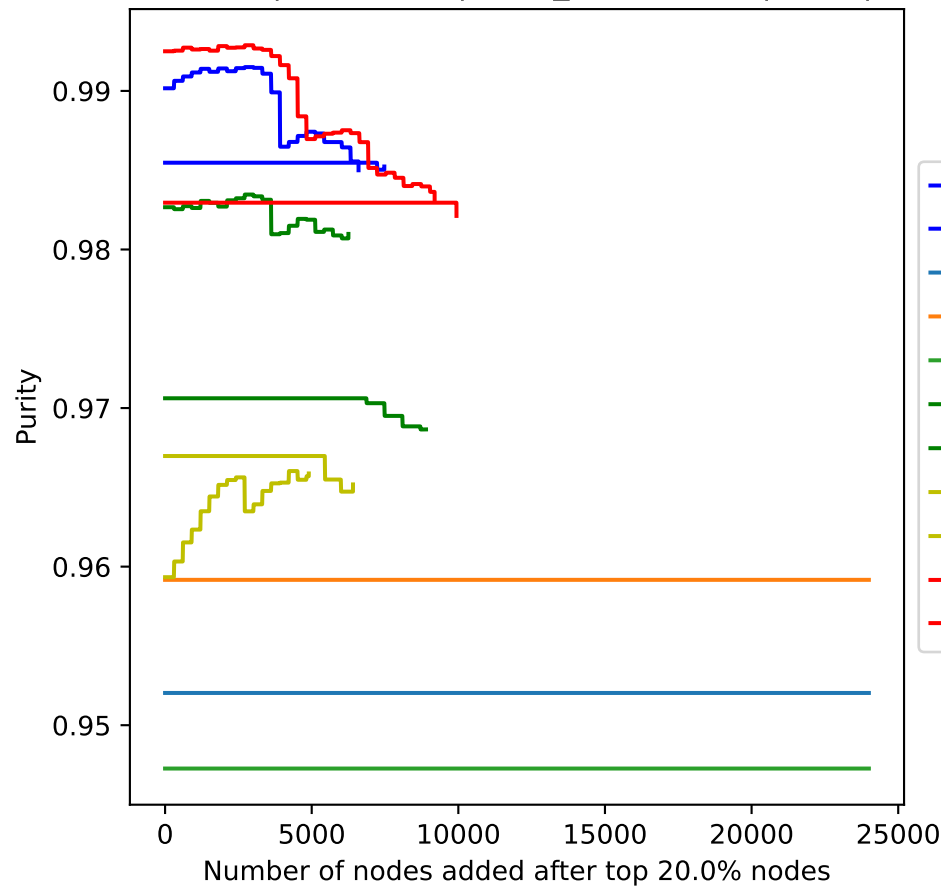
MNIST | top 20.0%| Num_hops: log(n)|res: 0.25|



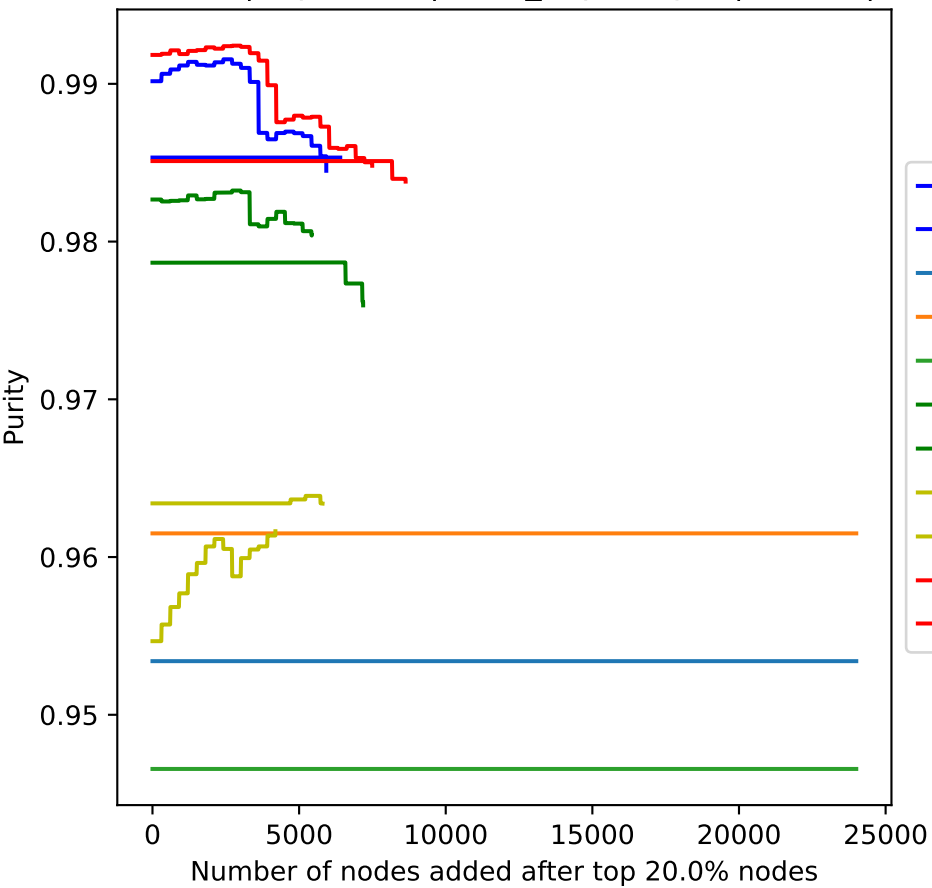
MNIST | top 20.0%| Num_hops: log(n)|res: 0.5|



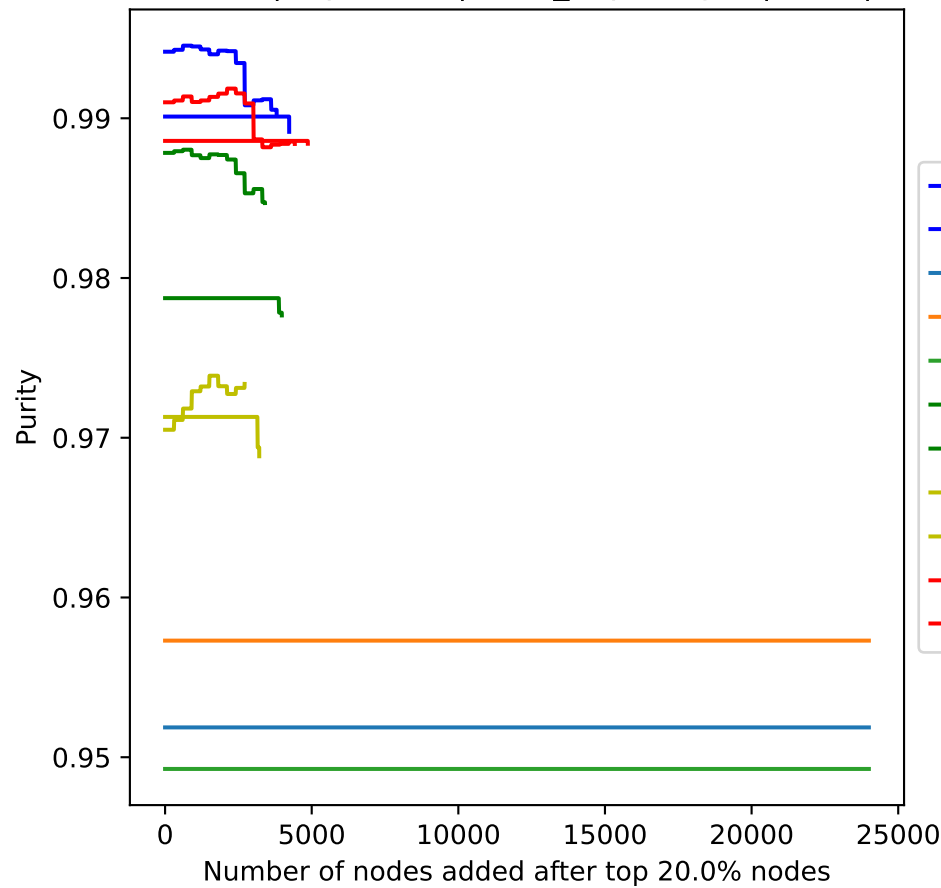
MNIST | top 20.0%| Num_hops: log(n)|res: 1|



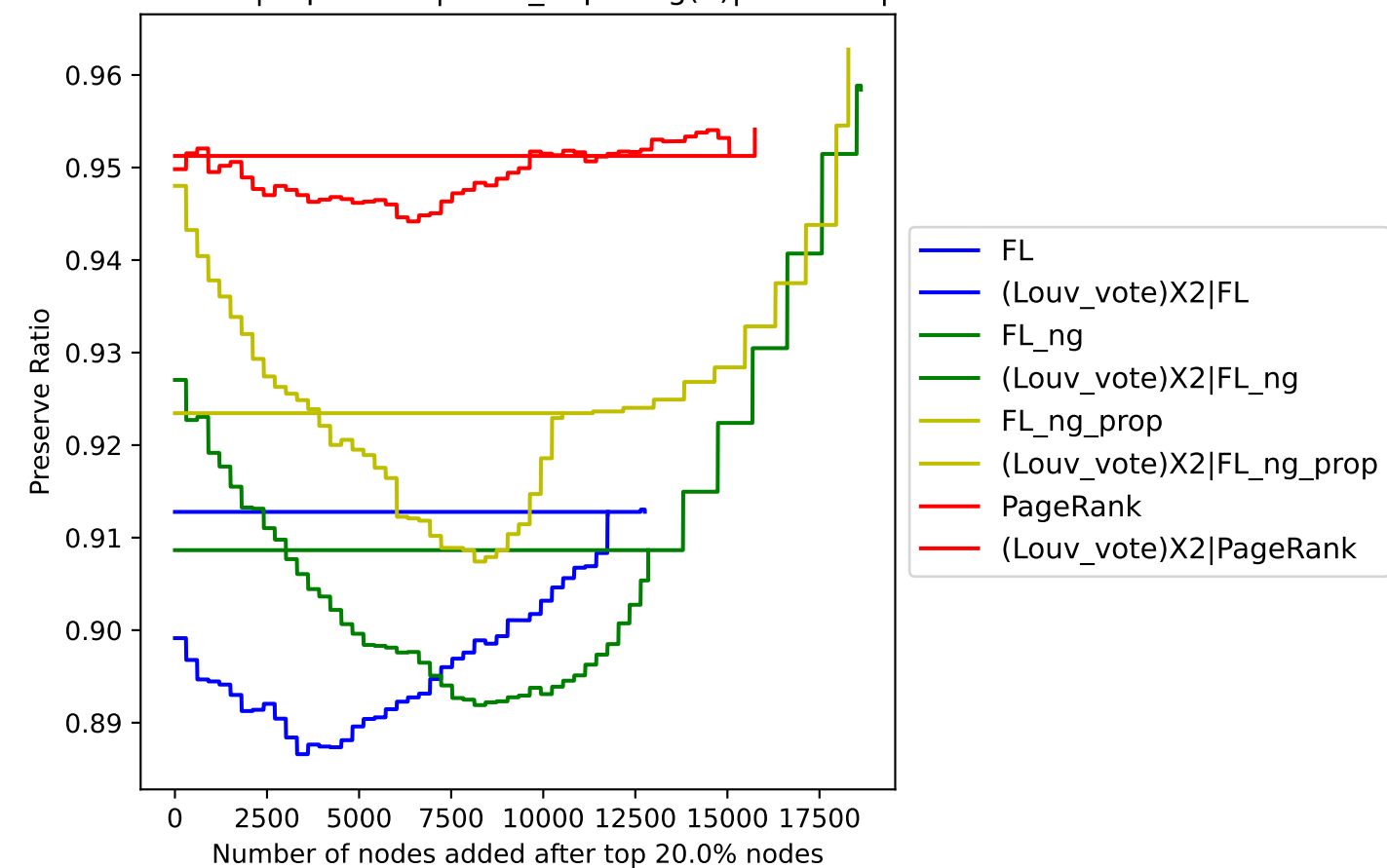
MNIST | top 20.0%| Num_hops: log(n)|res: 1.5|



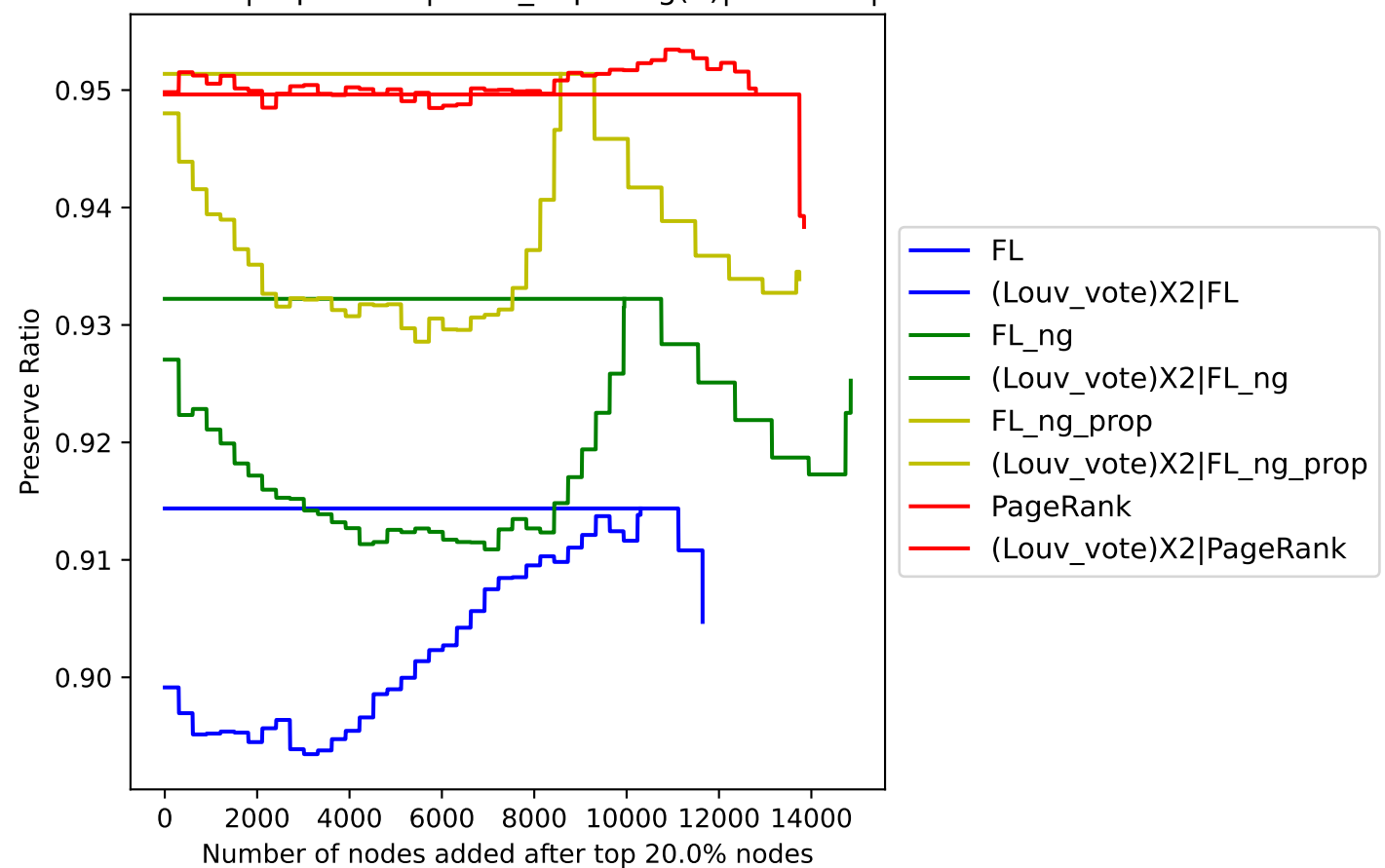
MNIST | top 20.0%| Num_hops: log(n)|res: 5|



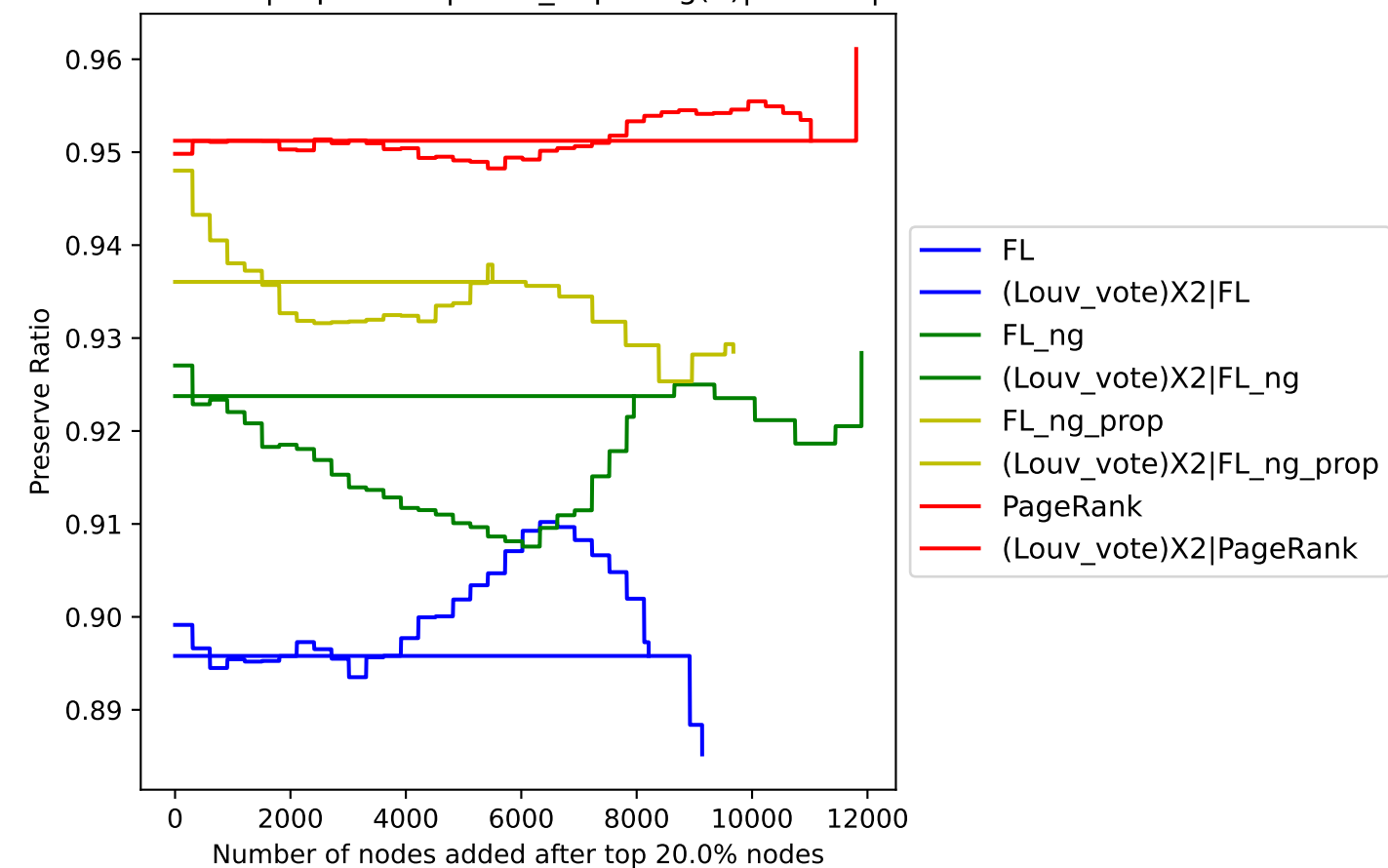
MNIST | top 20.0%| Num_hops: log(n)|res: 0.05|



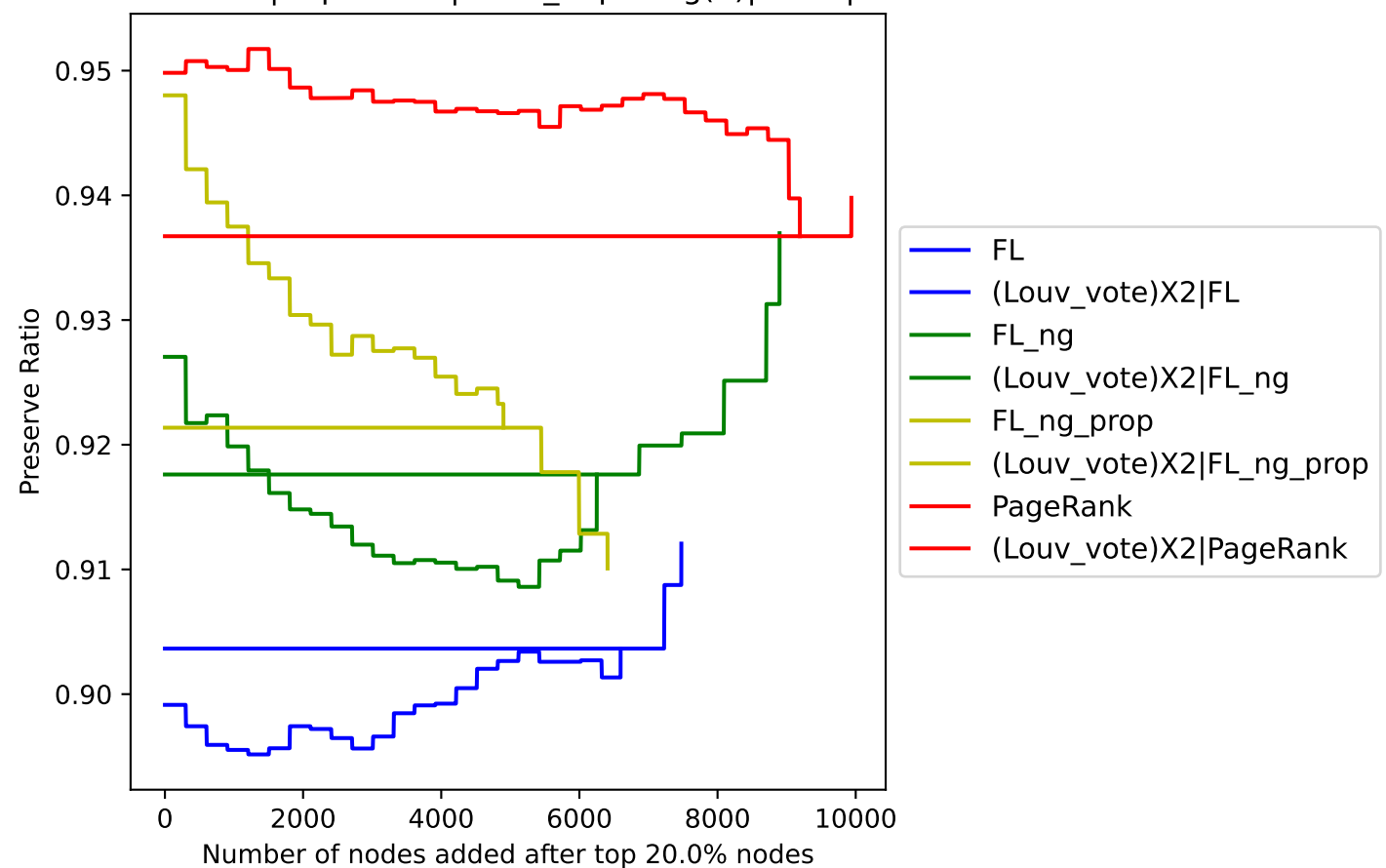
MNIST | top 20.0%| Num_hops: log(n)|res: 0.25|



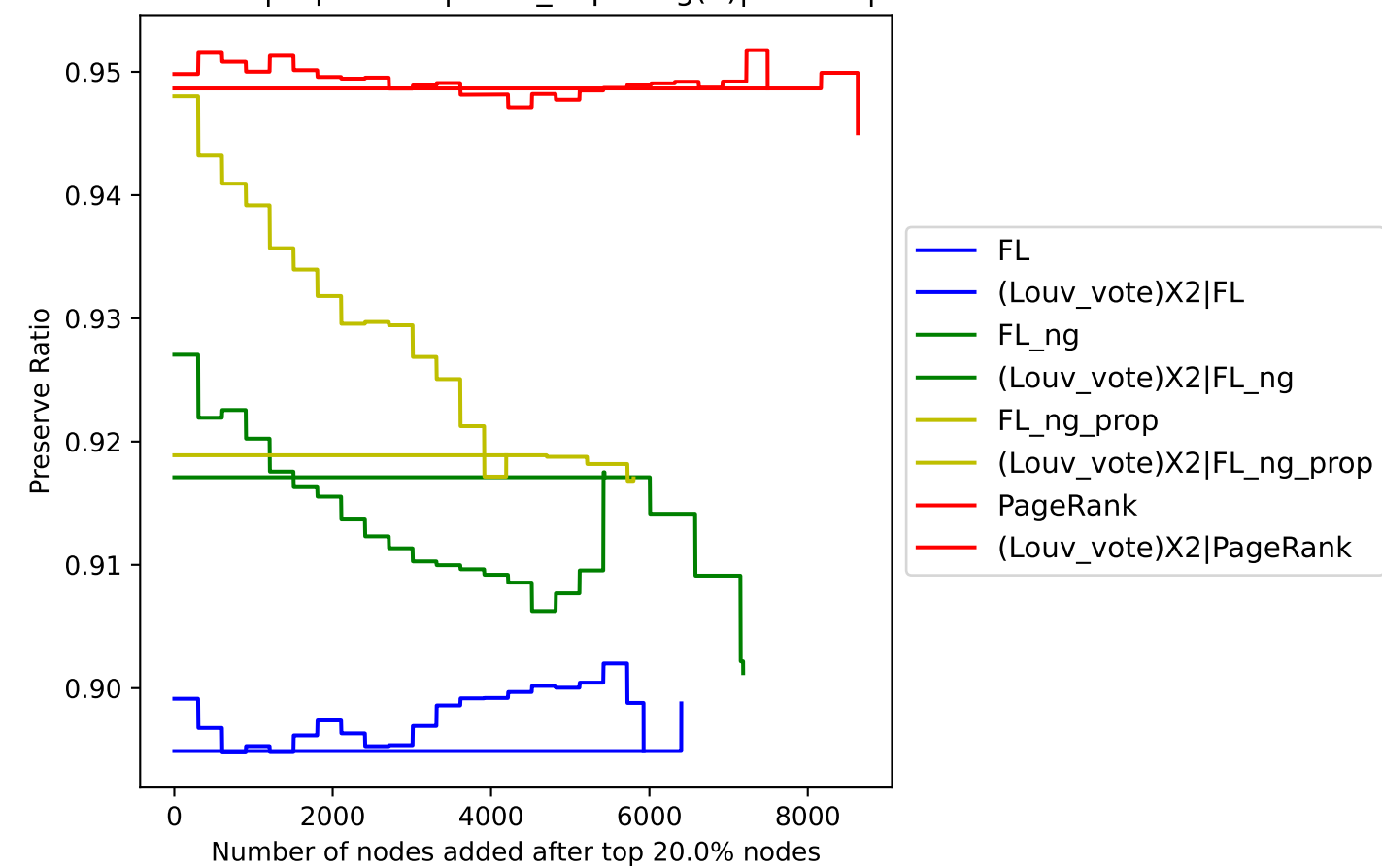
MNIST | top 20.0%| Num_hops: log(n)|res: 0.5|



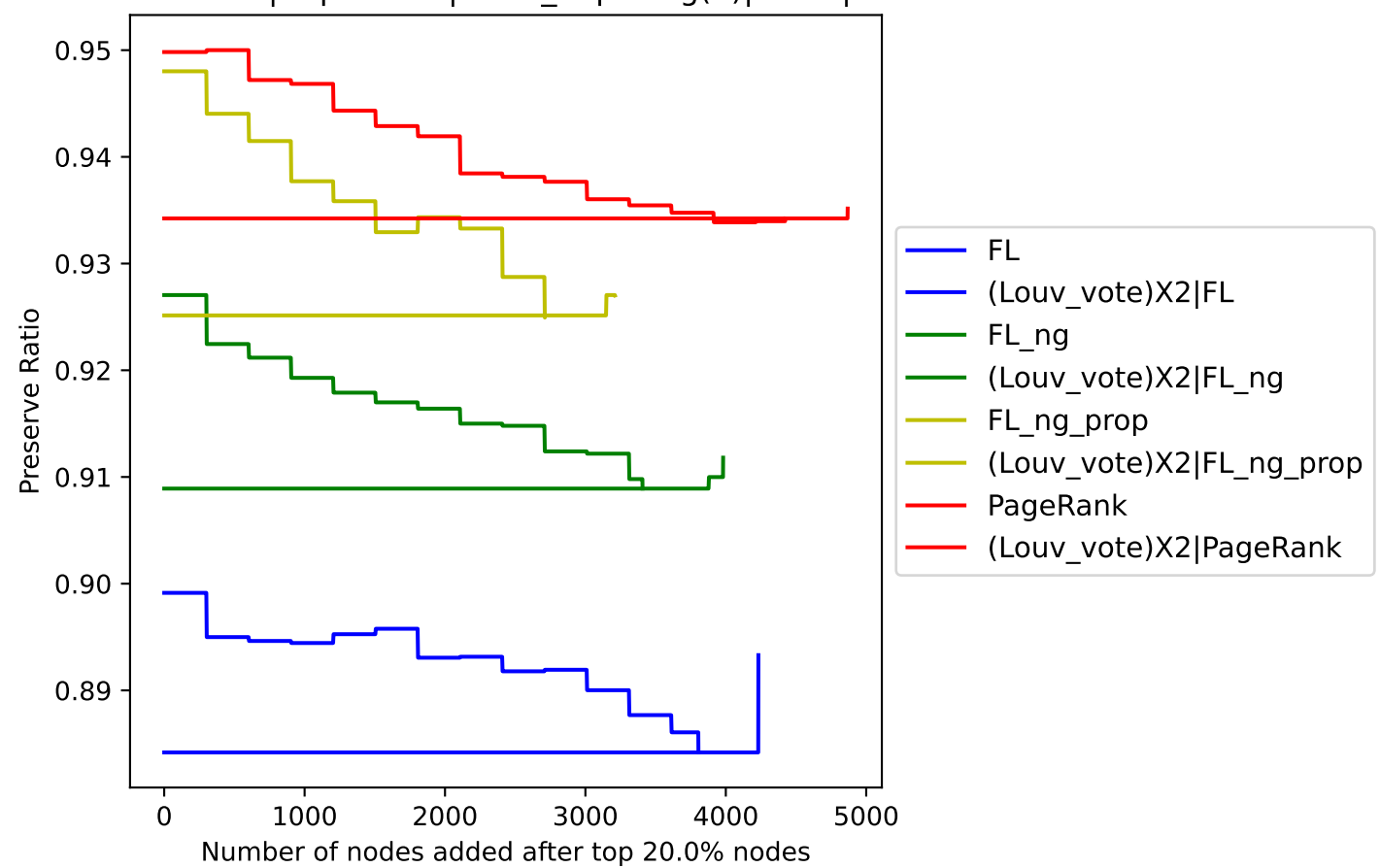
MNIST | top 20.0%| Num_hops: log(n)|res: 1|



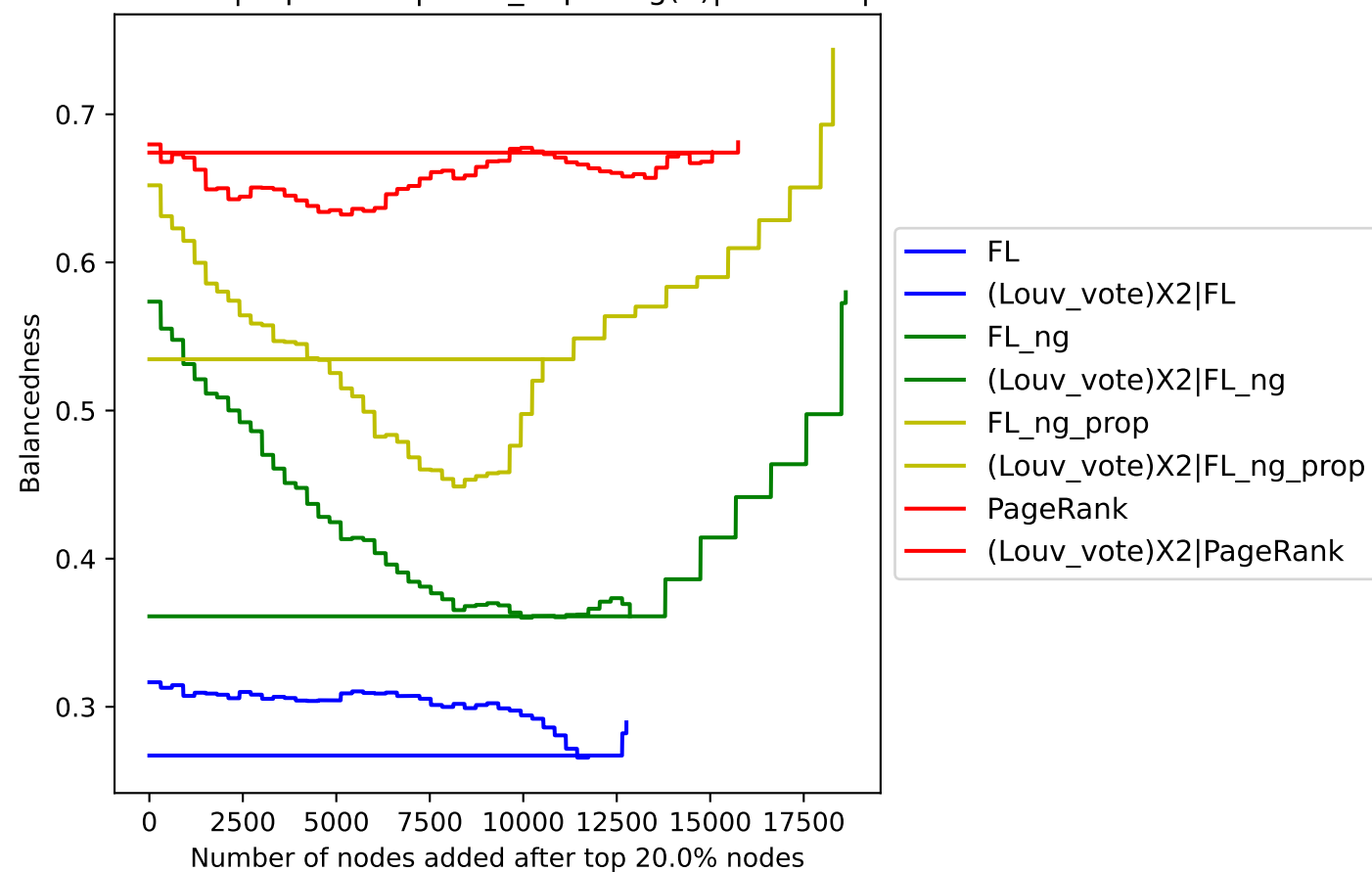
MNIST | top 20.0%| Num_hops: log(n)|res: 1.5|



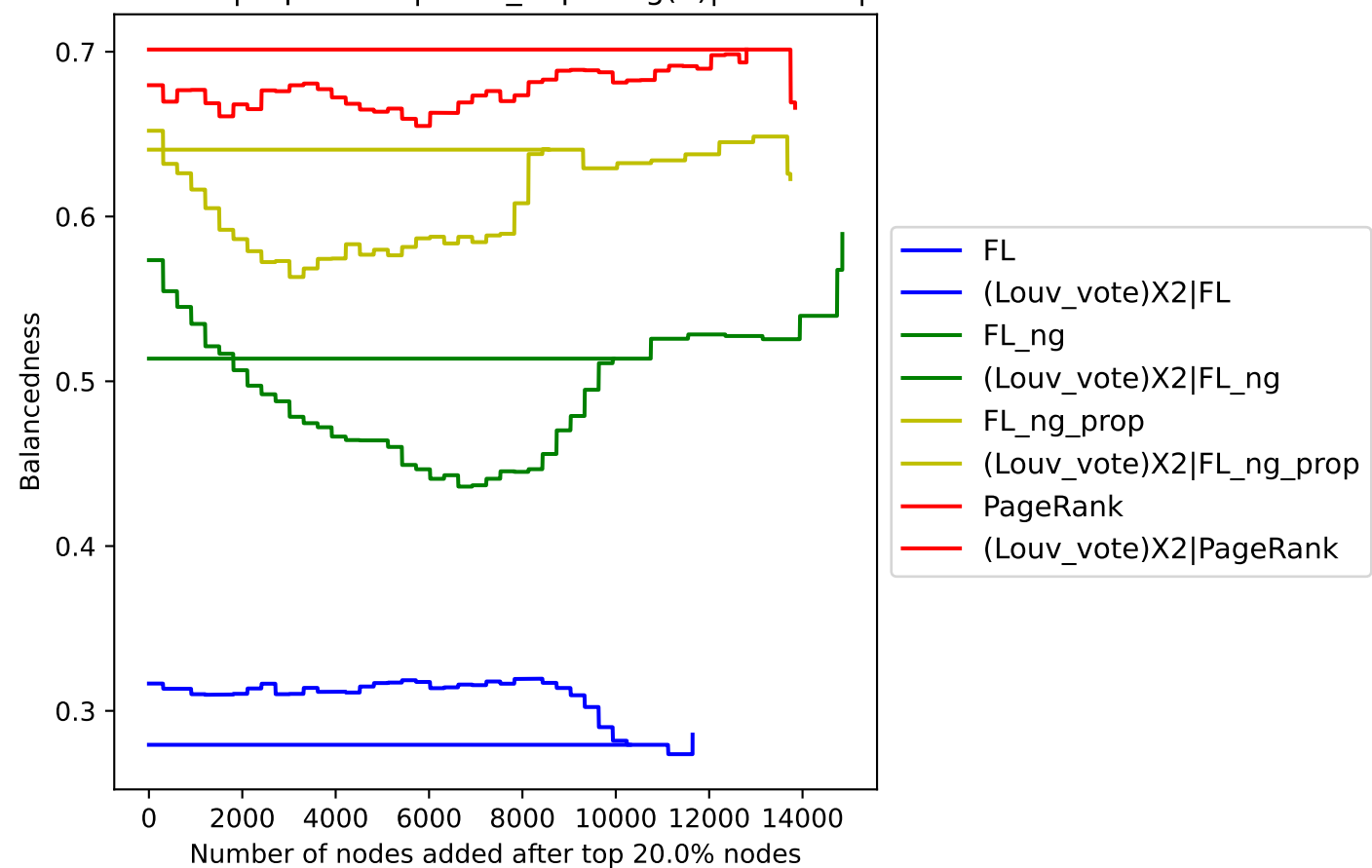
MNIST | top 20.0%| Num_hops: log(n)|res: 5|



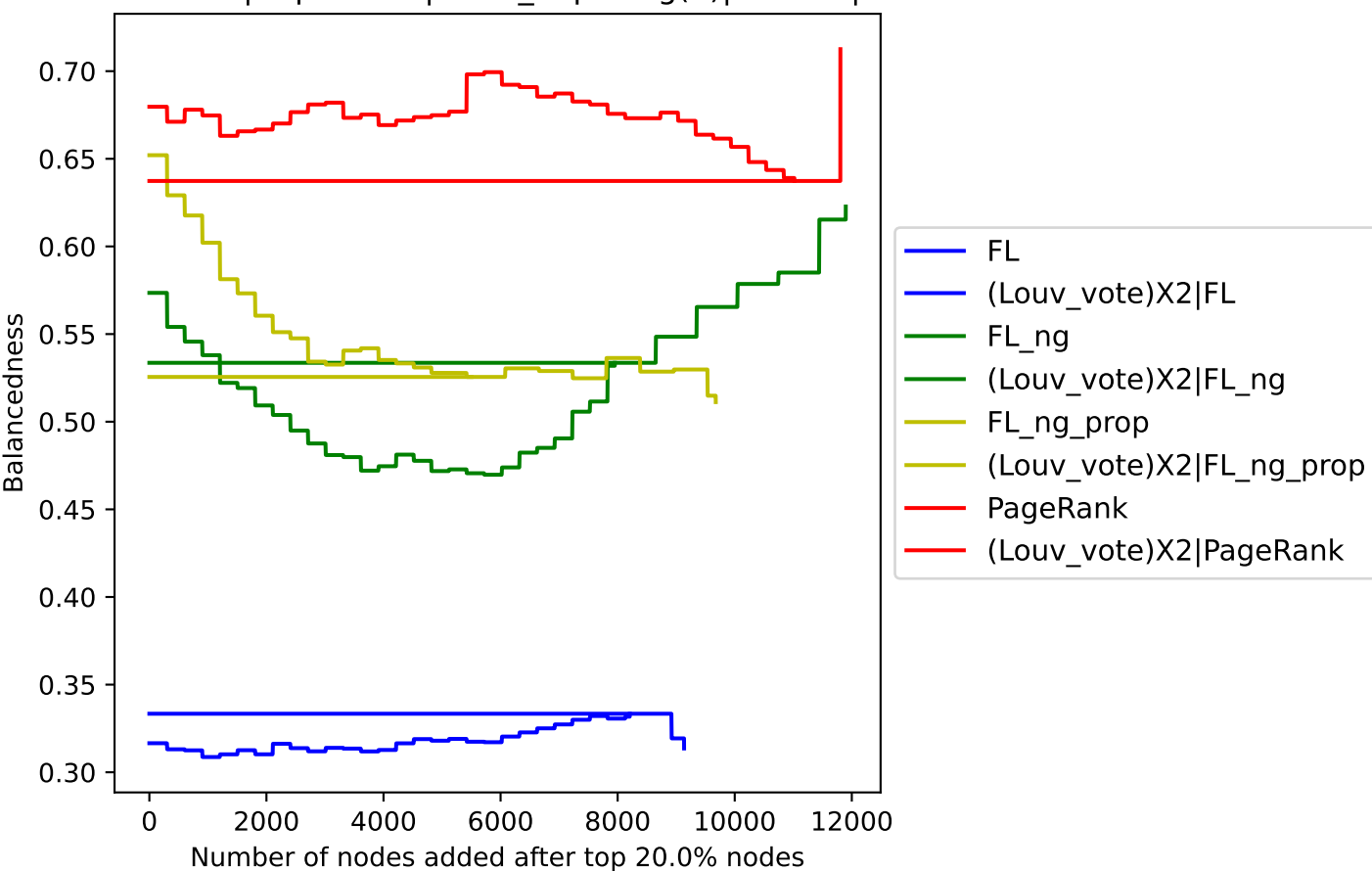
MNIST | top 20.0%| Num_hops: log(n)|res: 0.05|



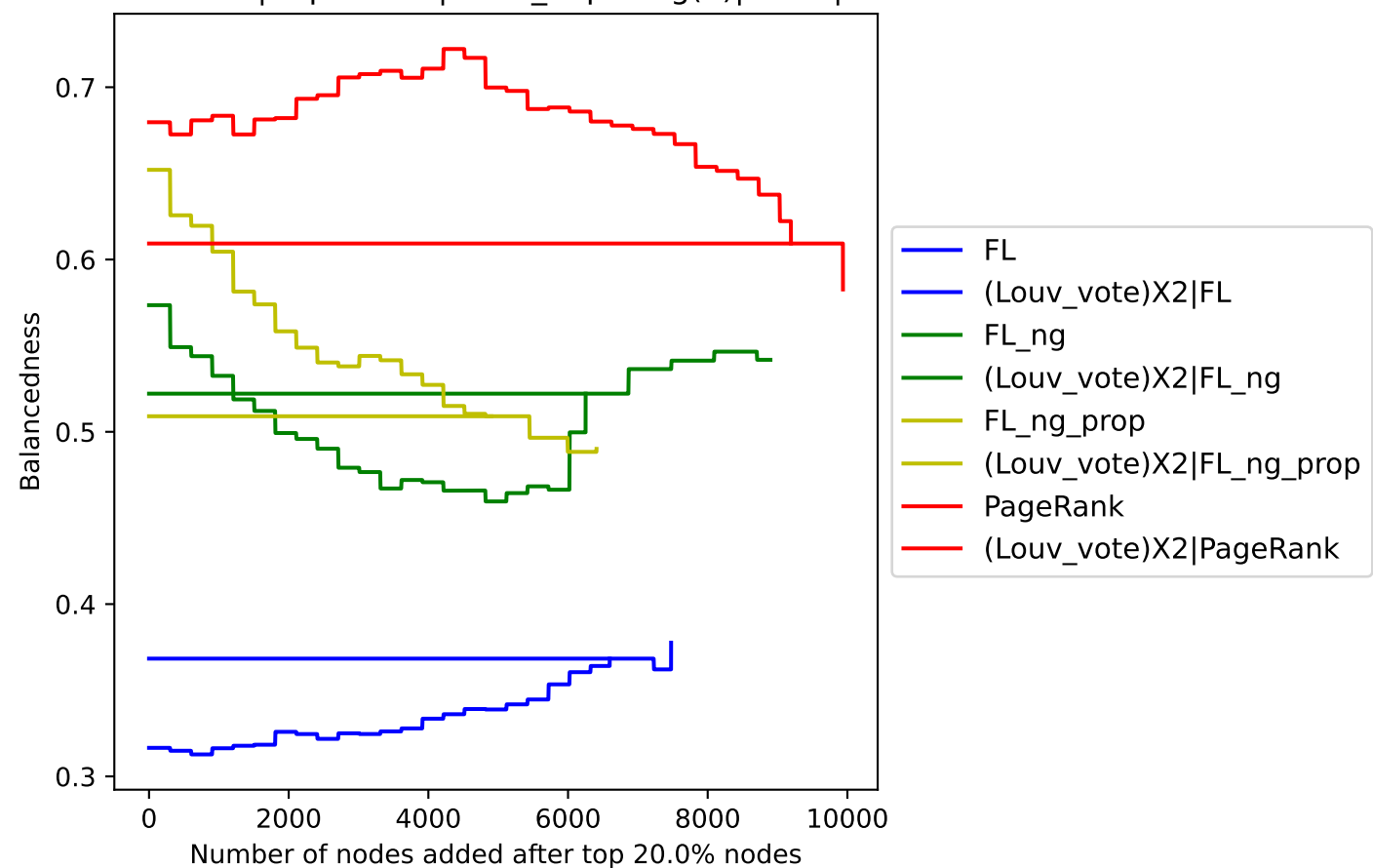
MNIST | top 20.0%| Num_hops: log(n)|res: 0.25|



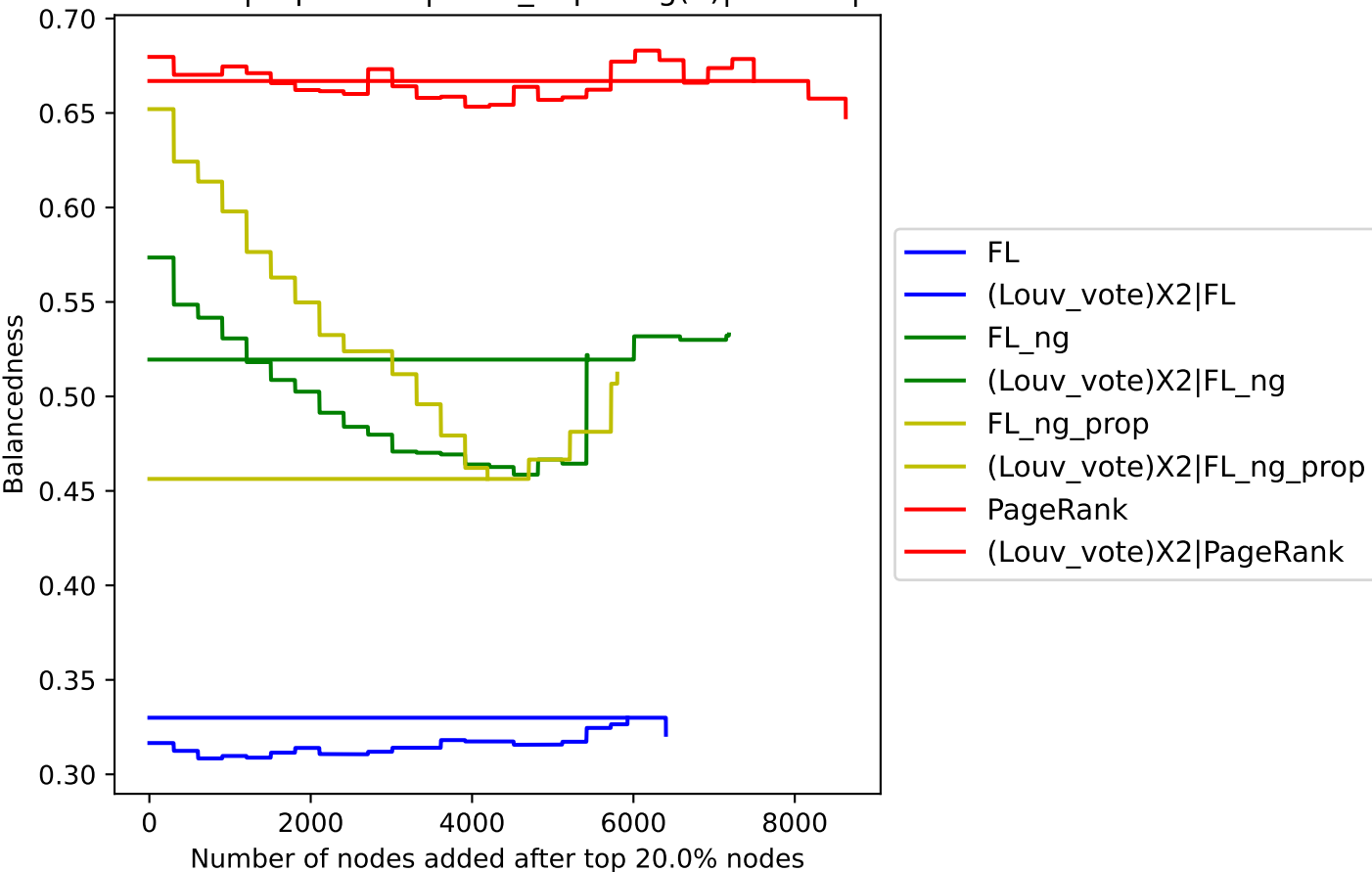
MNIST | top 20.0%| Num_hops: log(n)|res: 0.5|



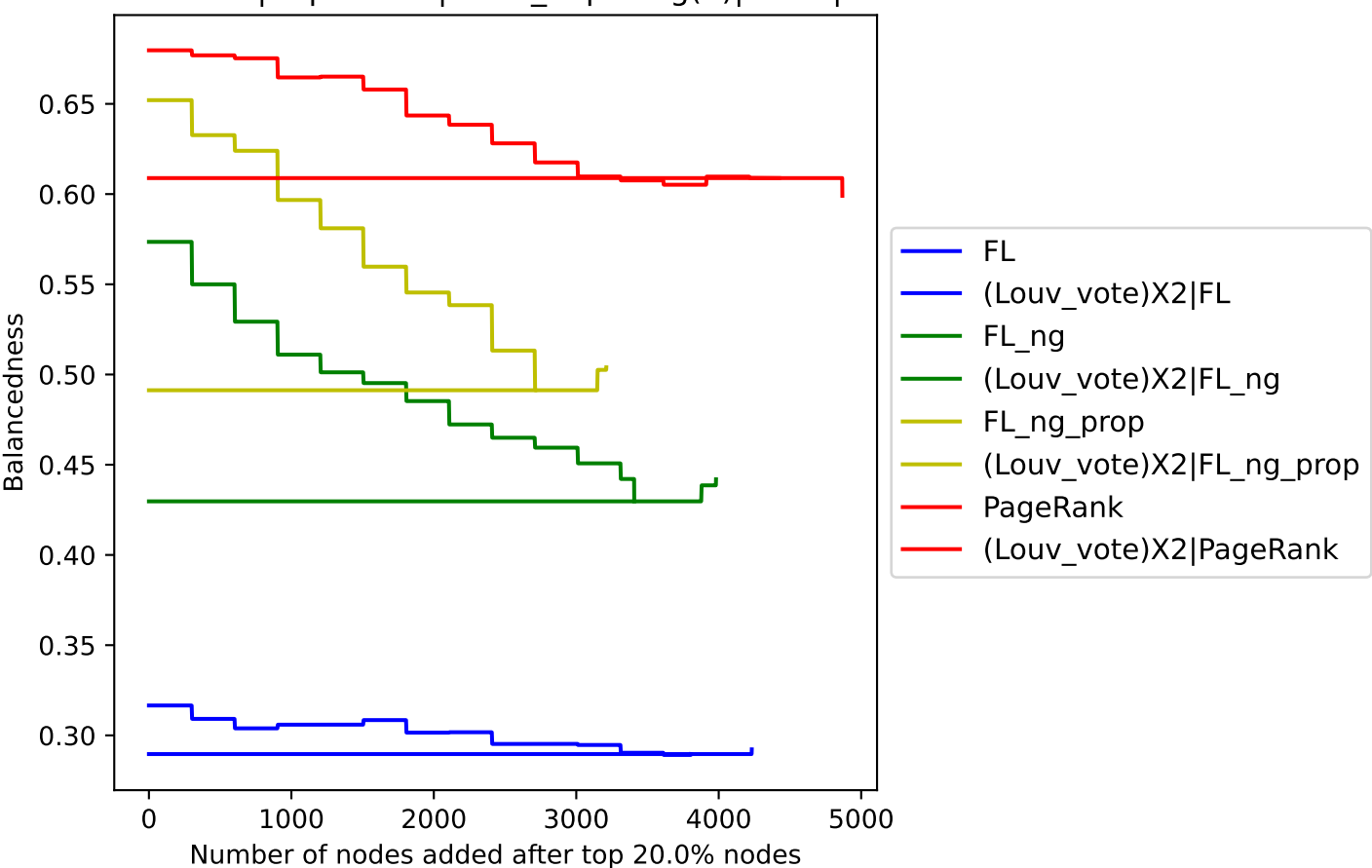
MNIST | top 20.0%| Num_hops: log(n)|res: 1|



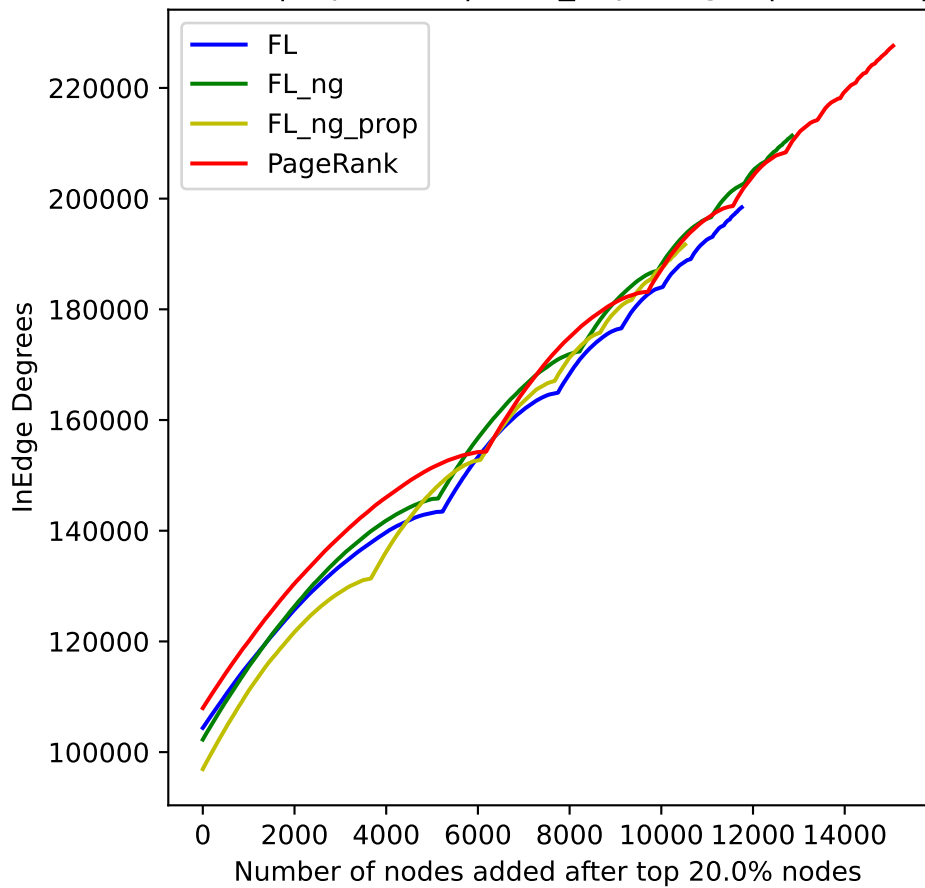
MNIST | top 20.0%| Num_hops: log(n)|res: 1.5|



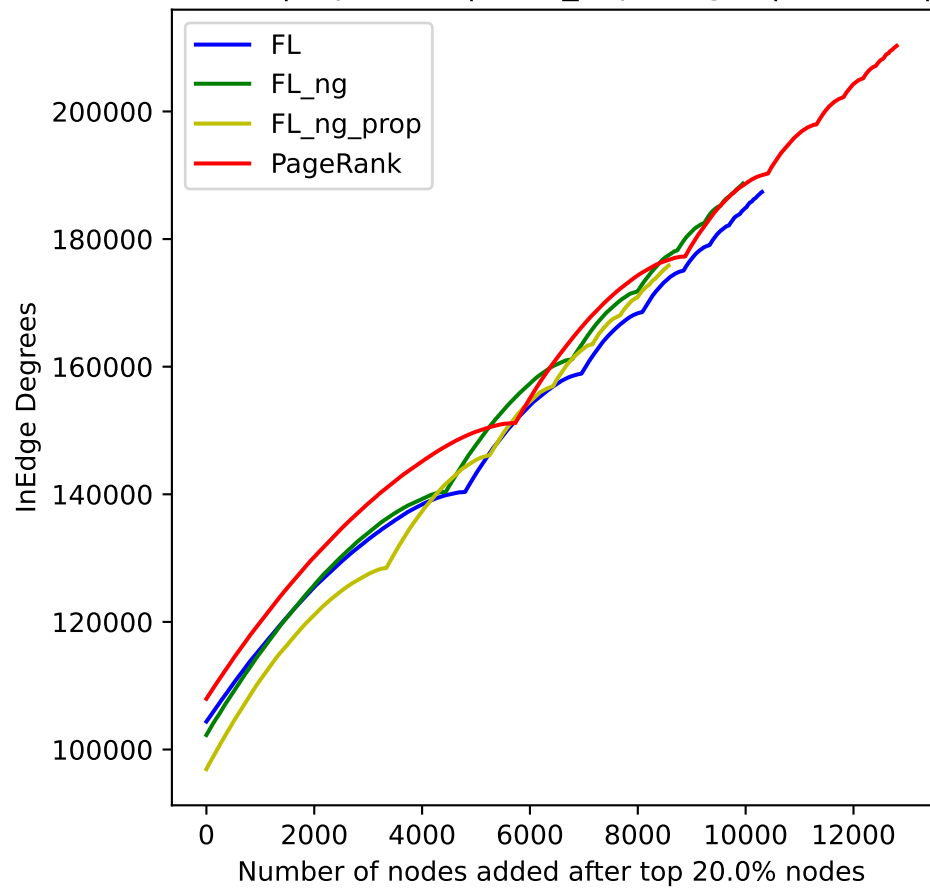
MNIST | top 20.0%| Num_hops: log(n)|res: 5|



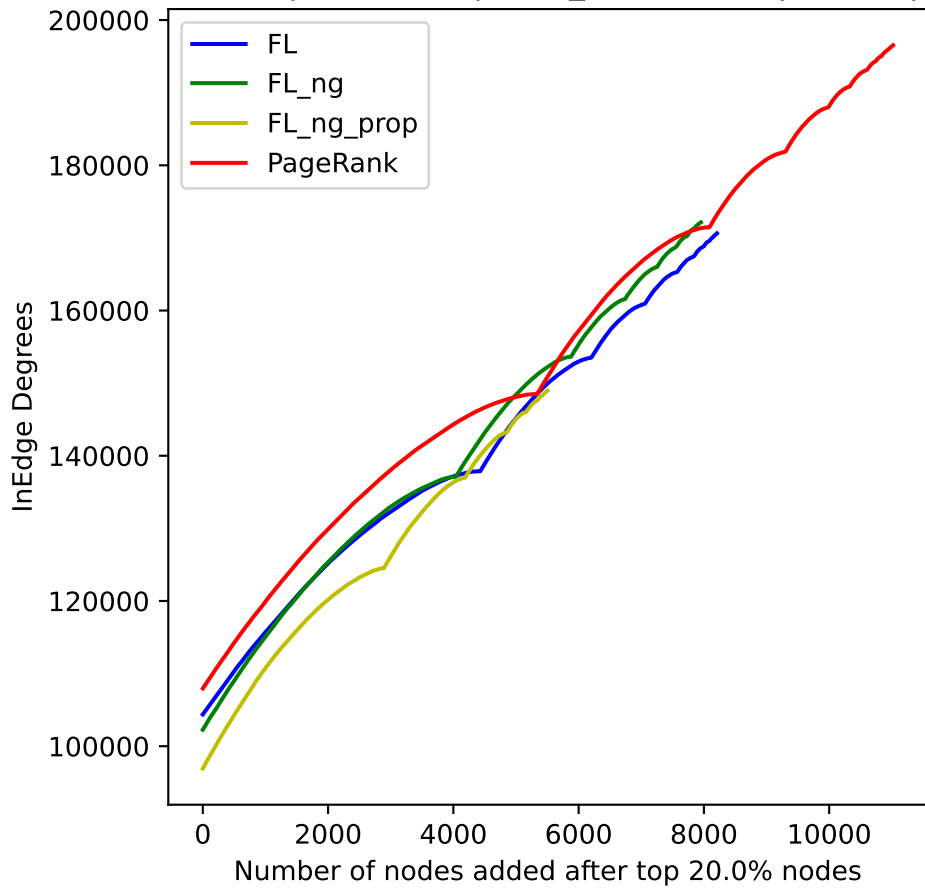
MNIST | top 20.0%| Num_hops: log(n)|res: 0.05|



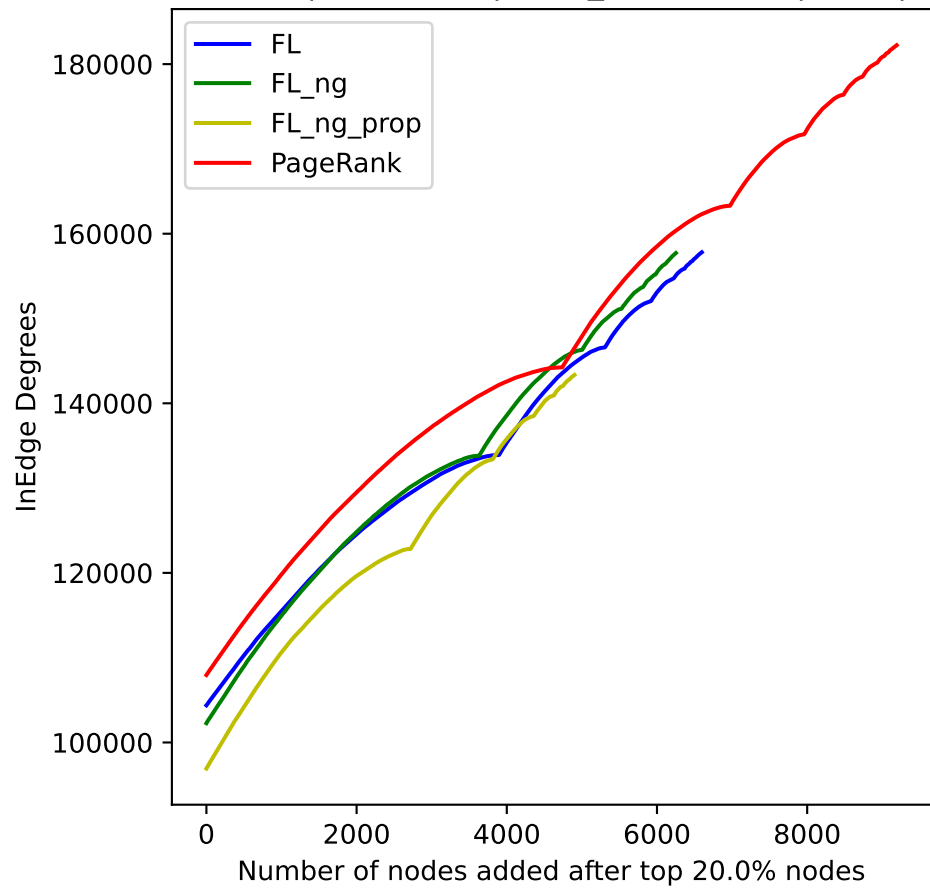
MNIST | top 20.0%| Num_hops: log(n)|res: 0.25|



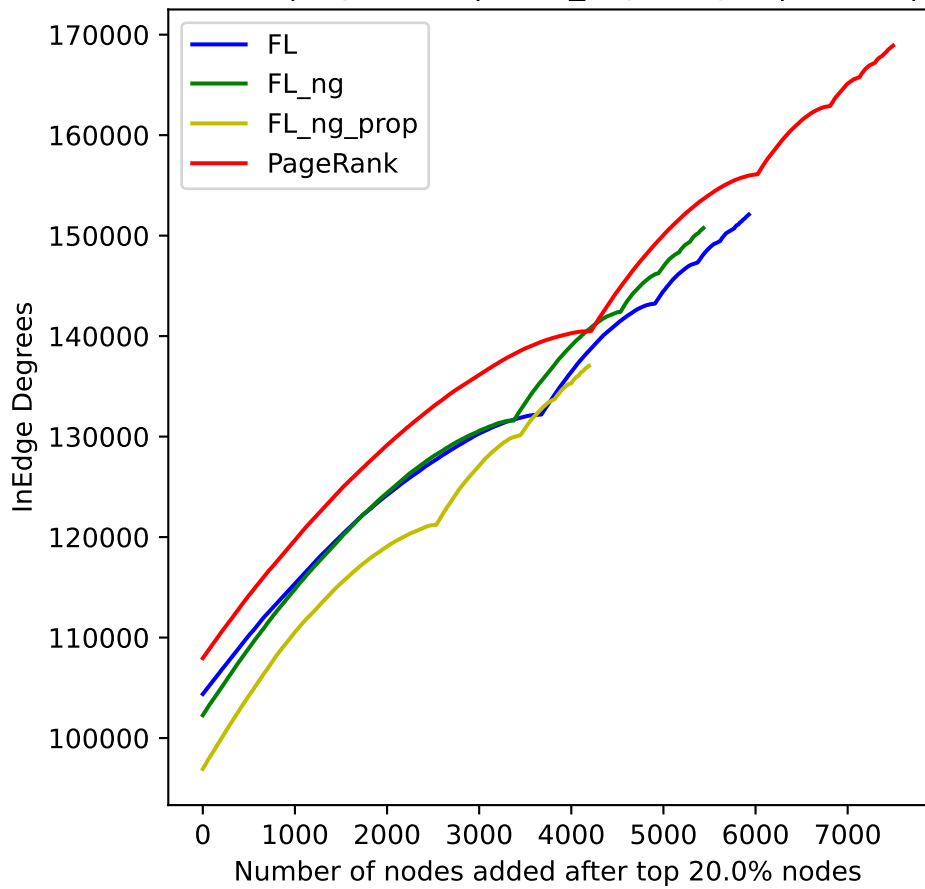
MNIST | top 20.0%| Num_hops: log(n)|res: 0.5|



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



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



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

