Xin | top 20.0%| Num_hops: log(n)|res: 0.05|#OfComm: 4

- ● FL|97.31%|#Com:4
- ○ Louv+Vote+Leid|FL|97.31%|#Com:2
- □ lv+vt+leid+vt|FL|100.0%|#Com:2
- ● Louv_baseline|#Com:2
- ● Leiden_baseline|#Com:2
- ● FL_ng|97.45%|#Com:4
- ○ Louv+Vote+Leid|FL_ng|97.45%|#Com:2
- □ lv+vt+leid+vt|FL_ng|100.0%|#Com:2
- ● FL_ng_pr|96.0%|#Com:5
- ○ Louv+Vote+Leid|FL_ng_pr|96.0%|#Com:2
- □ lv+vt+leid+vt|FL_ng_pr|100.0%|#Com:2
- ● PageRank|95.58%|#Com:3
- ○ Louv+Vote+Leid|PageRank|95.58%|#Com:2
- □ lv+vt+leid+vt|PageRank|97.45%|#Com:2
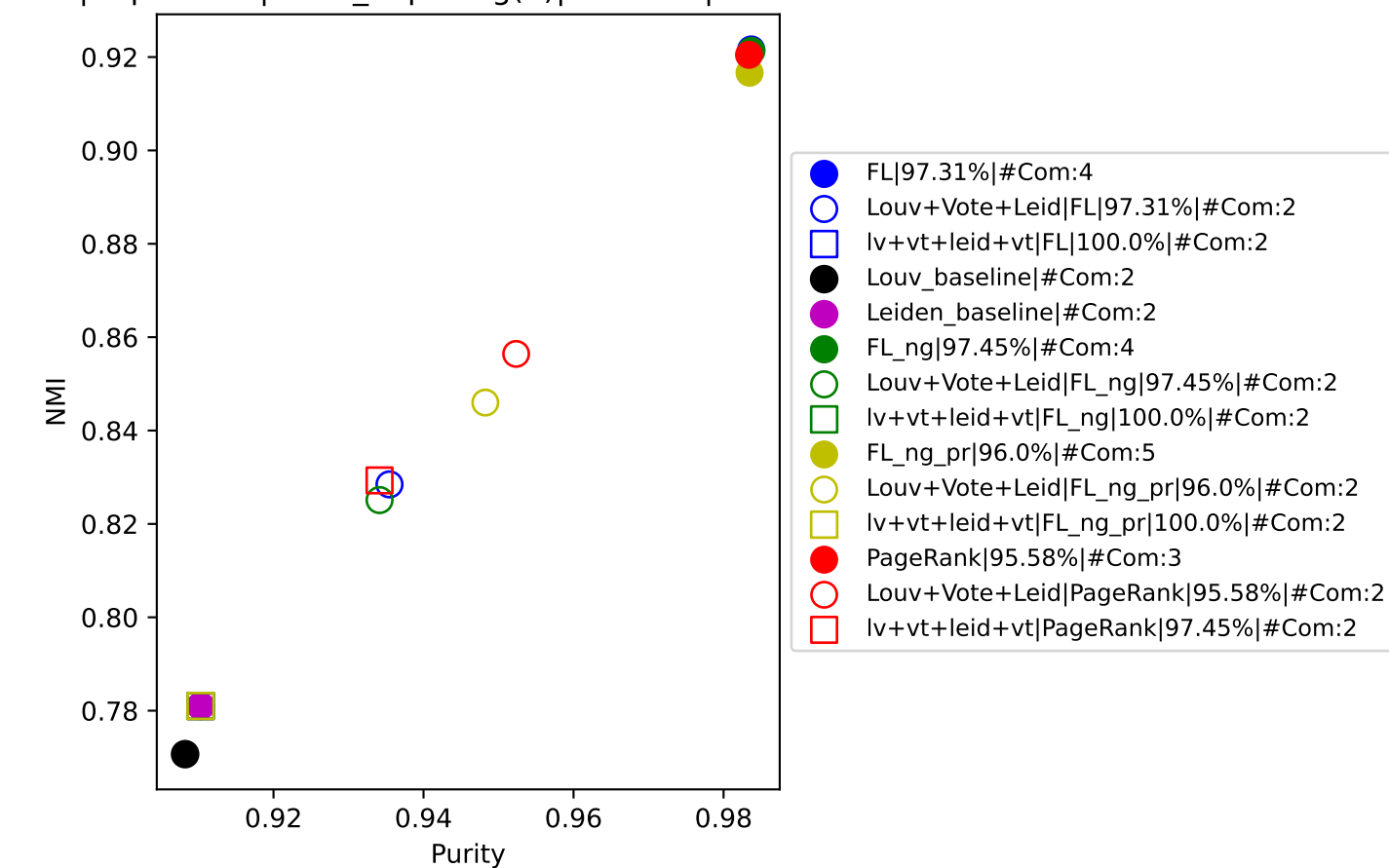
Xin | top 20.0%| Num_hops: log(n)|res: 0.25|#OfComm: 4

- ● FL|96.0%|#Com:6
- ○ Louv+Vote+Leid|FL|96.0%|#Com:4
- □ lv+vt+leid+vt|FL|96.76%|#Com:4
- ● Louv_baseline|#Com:4
- ● Leiden_baseline|#Com:4
- ● FL_ng|96.14%|#Com:6
- ○ Louv+Vote+Leid|FL_ng|96.14%|#Com:4
- □ lv+vt+leid+vt|FL_ng|98.07%|#Com:4
- ● FL_ng_pr|94.69%|#Com:7
- ○ Louv+Vote+Leid|FL_ng_pr|94.69%|#Com:4
- □ lv+vt+leid+vt|FL_ng_pr|98.07%|#Com:4
- ● PageRank|93.86%|#Com:5
- ○ Louv+Vote+Leid|PageRank|93.86%|#Com:4
- □ lv+vt+leid+vt|PageRank|96.27%|#Com:4
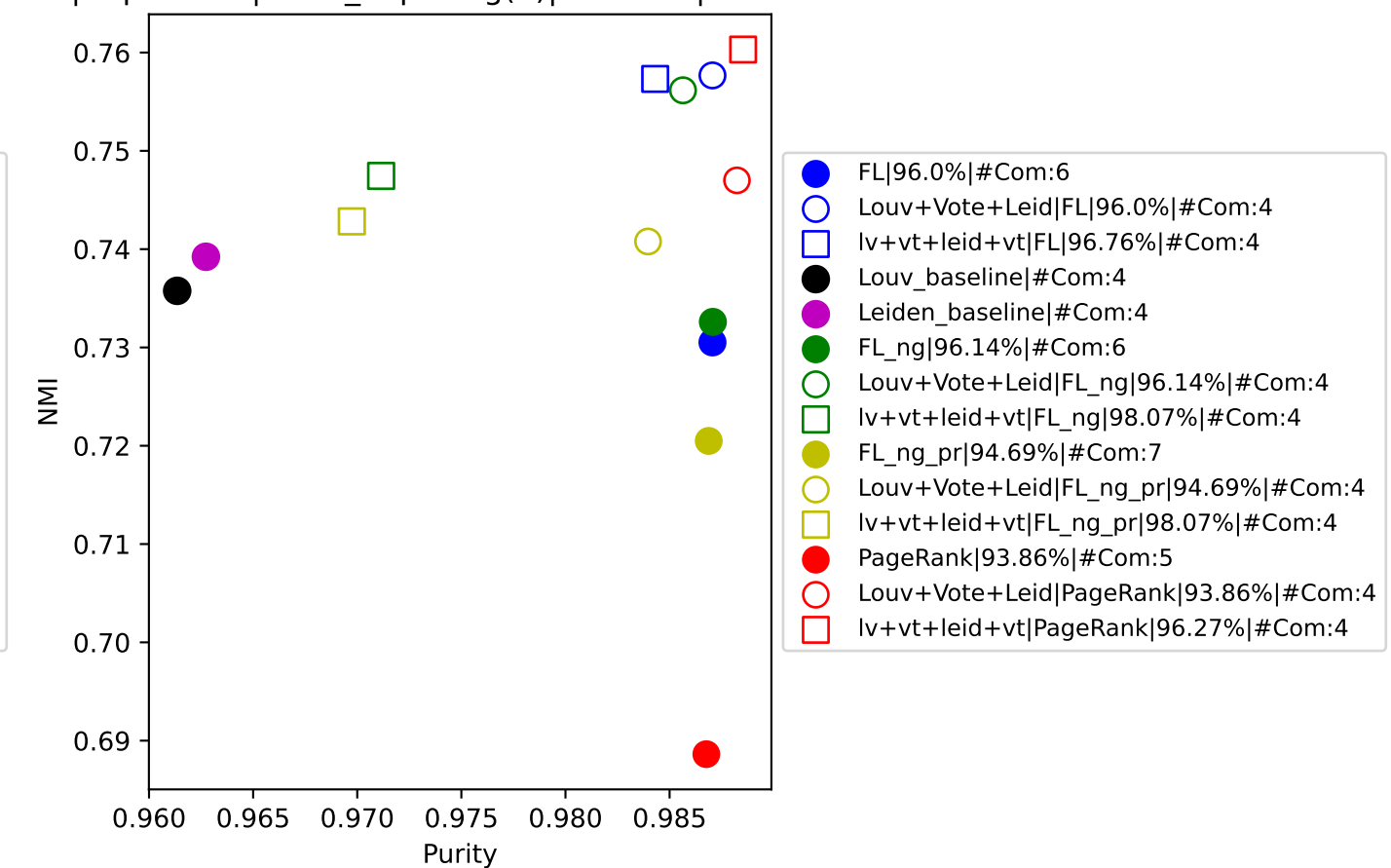
Xin | top 20.0%| Num_hops: log(n)|res: 0.5|#OfComm: 4

- ● FL|87.51%|#Com:8
- ○ Louv+Vote+Leid|FL|87.51%|#Com:7
- □ lv+vt+leid+vt|FL|88.47%|#Com:7
- ● Louv_baseline|#Com:6
- ● Leiden_baseline|#Com:6
- ● FL_ng|78.61%|#Com:11
- ○ Louv+Vote+Leid|FL_ng|78.61%|#Com:8
- □ lv+vt+leid+vt|FL_ng|84.06%|#Com:8
- ● FL_ng_pr|79.3%|#Com:11
- ○ Louv+Vote+Leid|FL_ng_pr|79.3%|#Com:8
- □ lv+vt+leid+vt|FL_ng_pr|82.19%|#Com:8
- ● PageRank|84.13%|#Com:6
- ○ Louv+Vote+Leid|PageRank|84.13%|#Com:6
- □ lv+vt+leid+vt|PageRank|87.72%|#Com:6
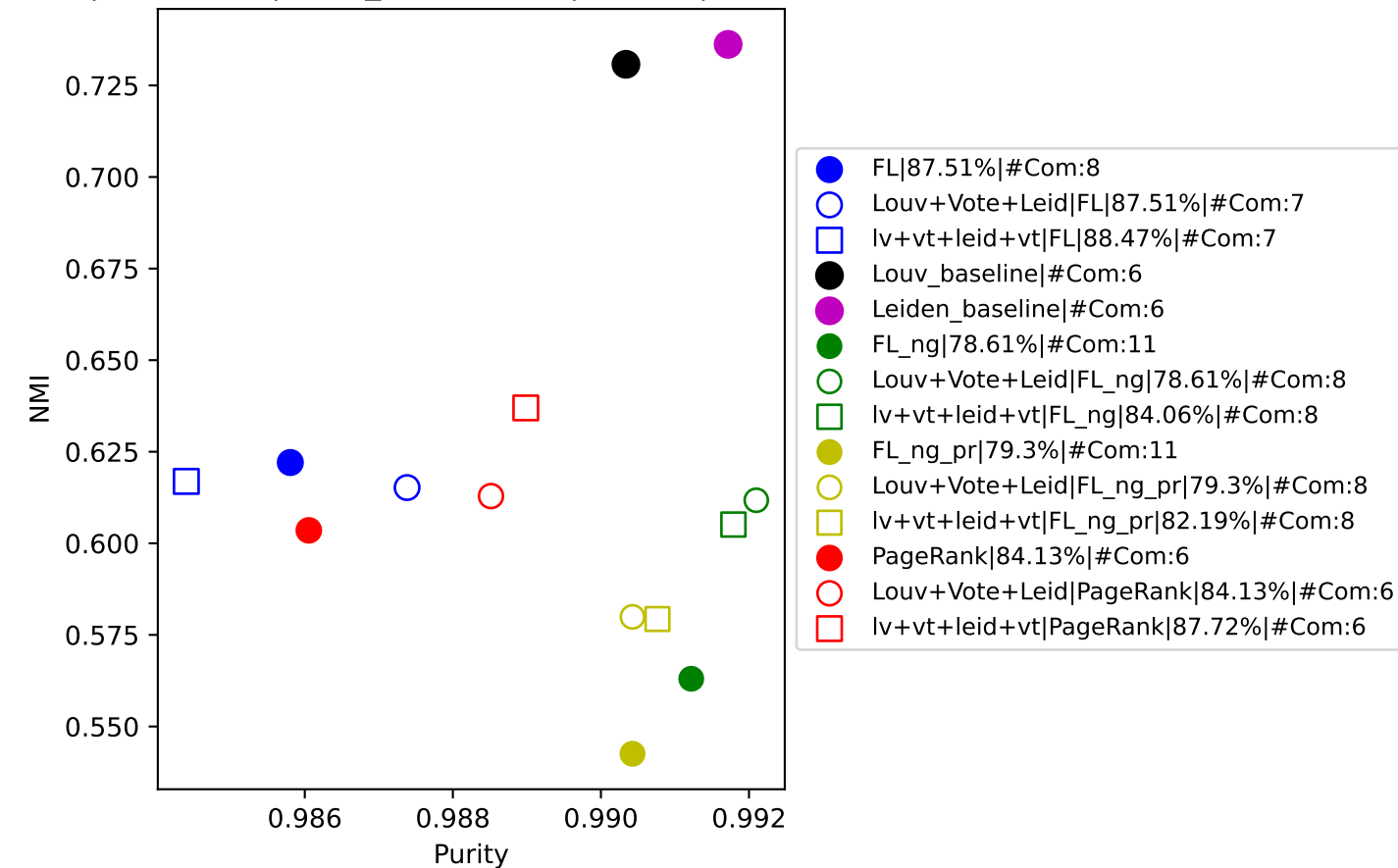
Xin | top 20.0%| Num_hops: log(n)|res: 1|#OfComm: 4

- ● FL|64.67%|#Com:12
- ○ Louv+Vote+Leid|FL|64.67%|#Com:12
- □ lv+vt+leid+vt|FL|64.94%|#Com:12
- ● Louv_baseline|#Com:10
- ● Leiden_baseline|#Com:9
- ● FL_ng|69.08%|#Com:13
- ○ Louv+Vote+Leid|FL_ng|69.08%|#Com:12
- □ lv+vt+leid+vt|FL_ng|70.53%|#Com:12
- ● FL_ng_pr|69.08%|#Com:14
- ○ Louv+Vote+Leid|FL_ng_pr|69.08%|#Com:13
- □ lv+vt+leid+vt|FL_ng_pr|71.84%|#Com:13
- ● PageRank|70.6%|#Com:9
- ○ Louv+Vote+Leid|PageRank|70.6%|#Com:9
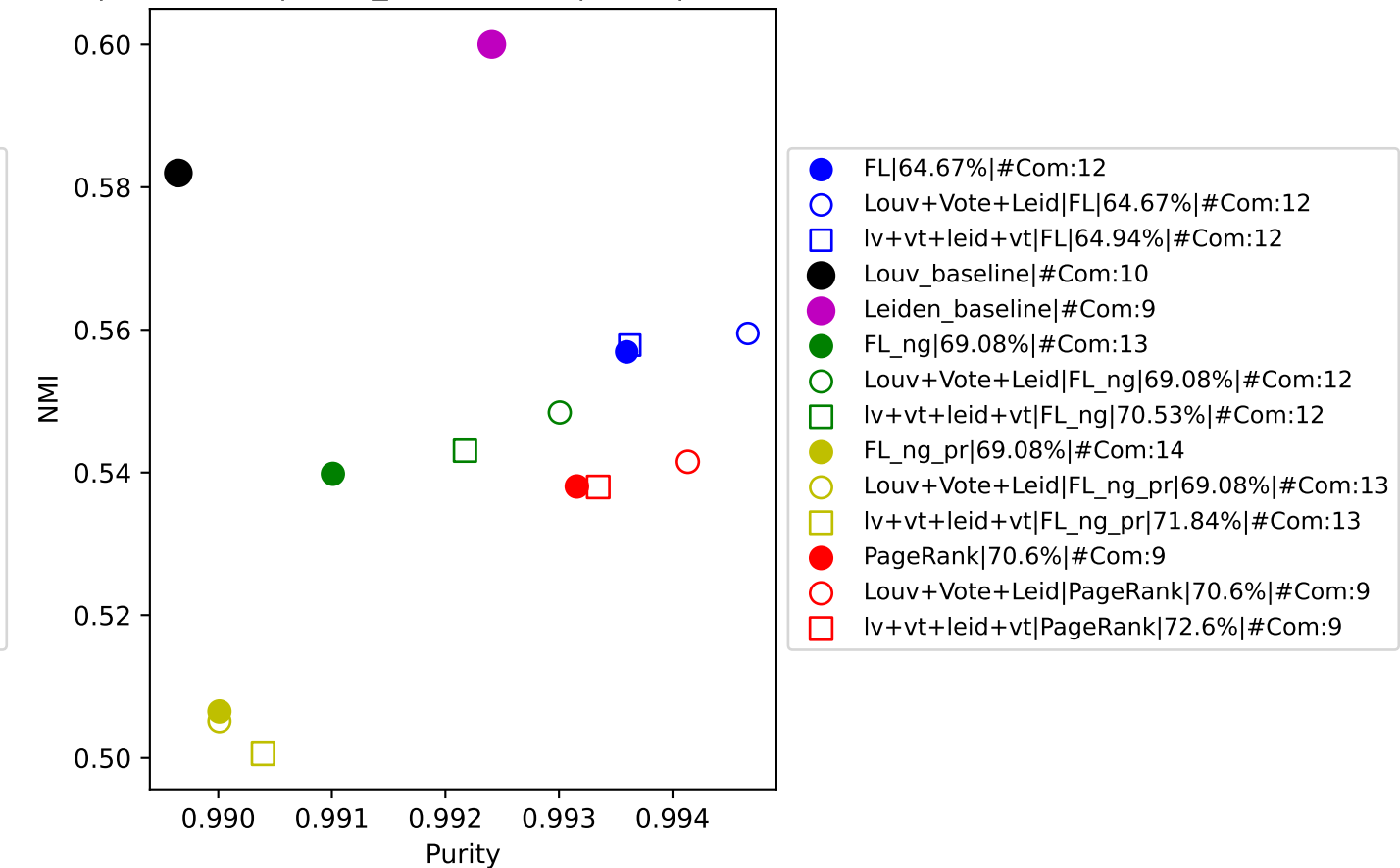- □ lv+vt+leid+vt|PageRank|72.6%|#Com:9

Xin | top 20.0%| Num_hops: log(n)|res: 1.5|#OfComm: 4

- ● FL|62.18%|#Com:13
- ○ Louv+Vote+Leid|FL|62.18%|#Com:14
- □ lv+vt+leid+vt|FL|68.25%|#Com:14
- ● Louv_baseline|#Com:14
- ● Leiden_baseline|#Com:14
- ● FL_ng|68.46%|#Com:13
- ○ Louv+Vote+Leid|FL_ng|68.46%|#Com:12
- □ lv+vt+leid+vt|FL_ng|70.74%|#Com:12
- ● FL_ng_pr|69.01%|#Com:15
- ○ Louv+Vote+Leid|FL_ng_pr|69.01%|#Com:13
- □ lv+vt+leid+vt|FL_ng_pr|72.05%|#Com:13
- ● PageRank|66.18%|#Com:12
- ○ Louv+Vote+Leid|PageRank|66.18%|#Com:12
- □ lv+vt+leid+vt|PageRank|67.77%|#Com:12
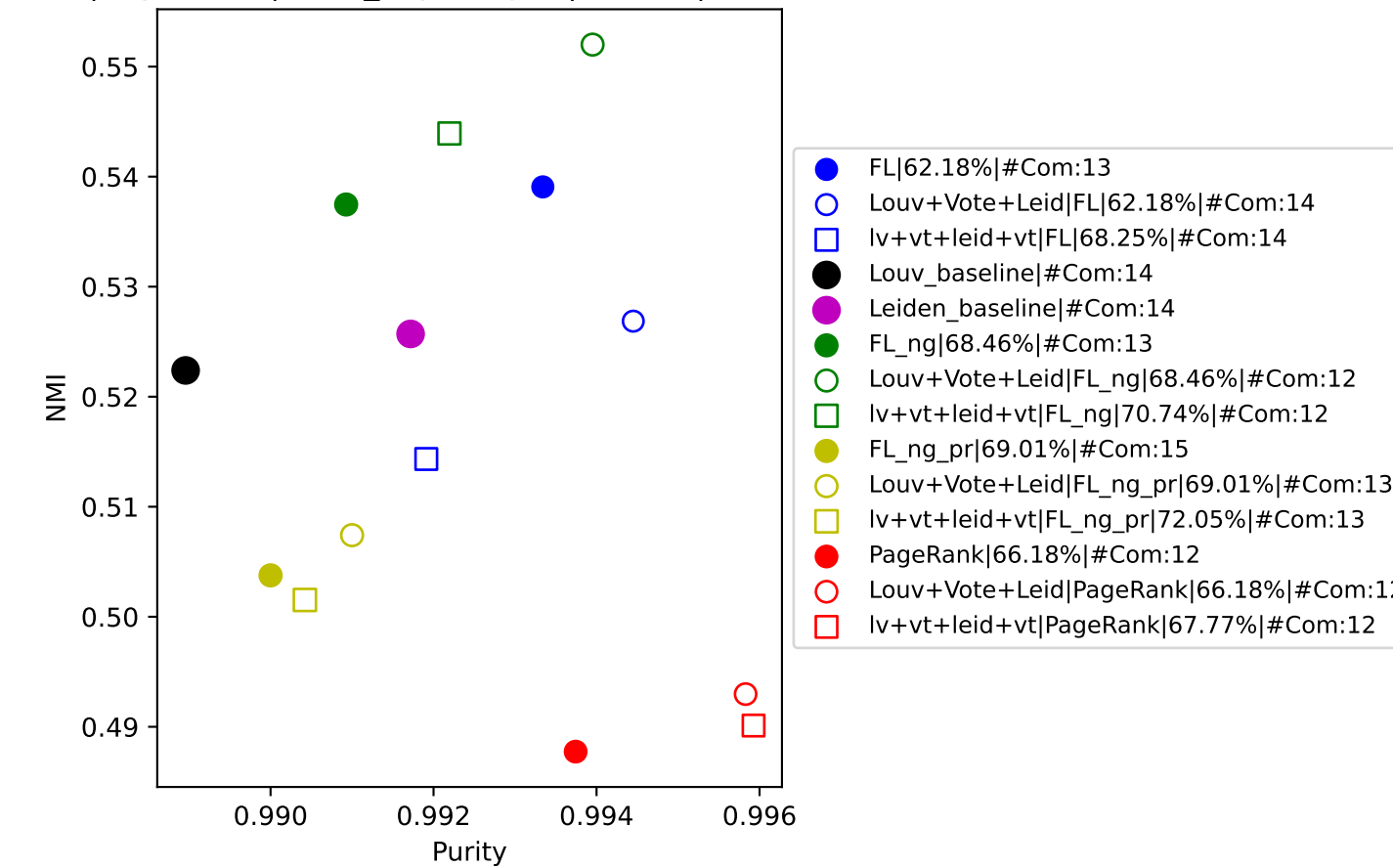
Xin | top 20.0%| Num_hops: log(n)|res: 5|#OfComm: 4

- ● FL|53.42%|#Com:19
- ○ Louv+Vote+Leid|FL|53.42%|#Com:21
- □ lv+vt+leid+vt|FL|59.28%|#Com:21
- ● Louv_baseline|#Com:33
- ● Leiden_baseline|#Com:33
- ● FL_ng|51.48%|#Com:20
- ○ Louv+Vote+Leid|FL_ng|51.48%|#Com:22
- □ lv+vt+leid+vt|FL_ng|58.25%|#Com:22
- ● FL_ng_pr|55.35%|#Com:20
- ○ Louv+Vote+Leid|FL_ng_pr|55.35%|#Com:24
- □ lv+vt+leid+vt|FL_ng_pr|57.97%|#Com:24
- ● PageRank|54.38%|#Com:18
- ○ Louv+Vote+Leid|PageRank|54.38%|#Com:22
- □ lv+vt+leid+vt|PageRank|60.11%|#Com:22

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

Legend:
- FL|0.05|97.31%
- Louv+Vote+Leid|FL|0.05|97.31%
- Louv_baseline|0.05
- Leiden_baseline|0.05
- FL_ng|0.05|97.45%
- Louv+Vote+Leid|FL_ng|0.05|97.45%
- FL_ng_pr|0.05|96.0%
- Louv+Vote+Leid|FL_ng_pr|0.05|96.0%
- PageRank|0.05|95.58%
- Louv+Vote+Leid|PageRank|0.05|95.58%
- FL|0.25|96.0%
- Louv+Vote+Leid|FL|0.25|96.0%
- Louv_baseline|0.25
- Leiden_baseline|0.25
- FL_ng|0.25|96.14%
- Louv+Vote+Leid|FL_ng|0.25|96.14%
- FL_ng_pr|0.25|94.69%
- Louv+Vote+Leid|FL_ng_pr|0.25|94.69%
- PageRank|0.25|93.86%
- Louv+Vote+Leid|PageRank|0.25|93.86%
- FL|0.5|87.51%
- Louv+Vote+Leid|FL|0.5|87.51%
- Louv_baseline|0.5
- Leiden_baseline|0.5
- FL_ng|0.5|78.61%
- Louv+Vote+Leid|FL_ng|0.5|78.61%
- FL_ng_pr|0.5|79.3%
- Louv+Vote+Leid|FL_ng_pr|0.5|79.3%
- PageRank|0.5|84.13%
- Louv+Vote+Leid|PageRank|0.5|84.13%
- FL|1|64.67%
- Louv+Vote+Leid|FL|1|64.67%
- Louv_baseline|1
- Leiden_baseline|1
- FL_ng|1|69.08%
- Louv+Vote+Leid|FL_ng|1|69.08%
- FL_ng_pr|1|69.08%
- Louv+Vote+Leid|FL_ng_pr|1|69.08%
- PageRank|1|70.6%
- Louv+Vote+Leid|PageRank|1|70.6%
- FL|1.5|62.18%
- Louv+Vote+Leid|FL|1.5|62.18%
- Louv_baseline|1.5
- Leiden_baseline|1.5
- FL_ng|1.5|68.46%
- Louv+Vote+Leid|FL_ng|1.5|68.46%
- FL_ng_pr|1.5|69.01%
- Louv+Vote+Leid|FL_ng_pr|1.5|69.01%
- PageRank|1.5|66.18%
- Louv+Vote+Leid|PageRank|1.5|66.18%
- FL|5|53.42%
- Louv+Vote+Leid|FL|5|53.42%
- Louv_baseline|5
- Leiden_baseline|5
- FL_ng|5|51.48%
- Louv+Vote+Leid|FL_ng|5|51.48%
- FL_ng_pr|5|55.35%
- Louv+Vote+Leid|FL_ng_pr|5|55.35%
- PageRank|5|54.38%
- Louv+Vote+Leid|PageRank|5|54.38%

Axes: Purity (x-axis), NMI (y-axis)