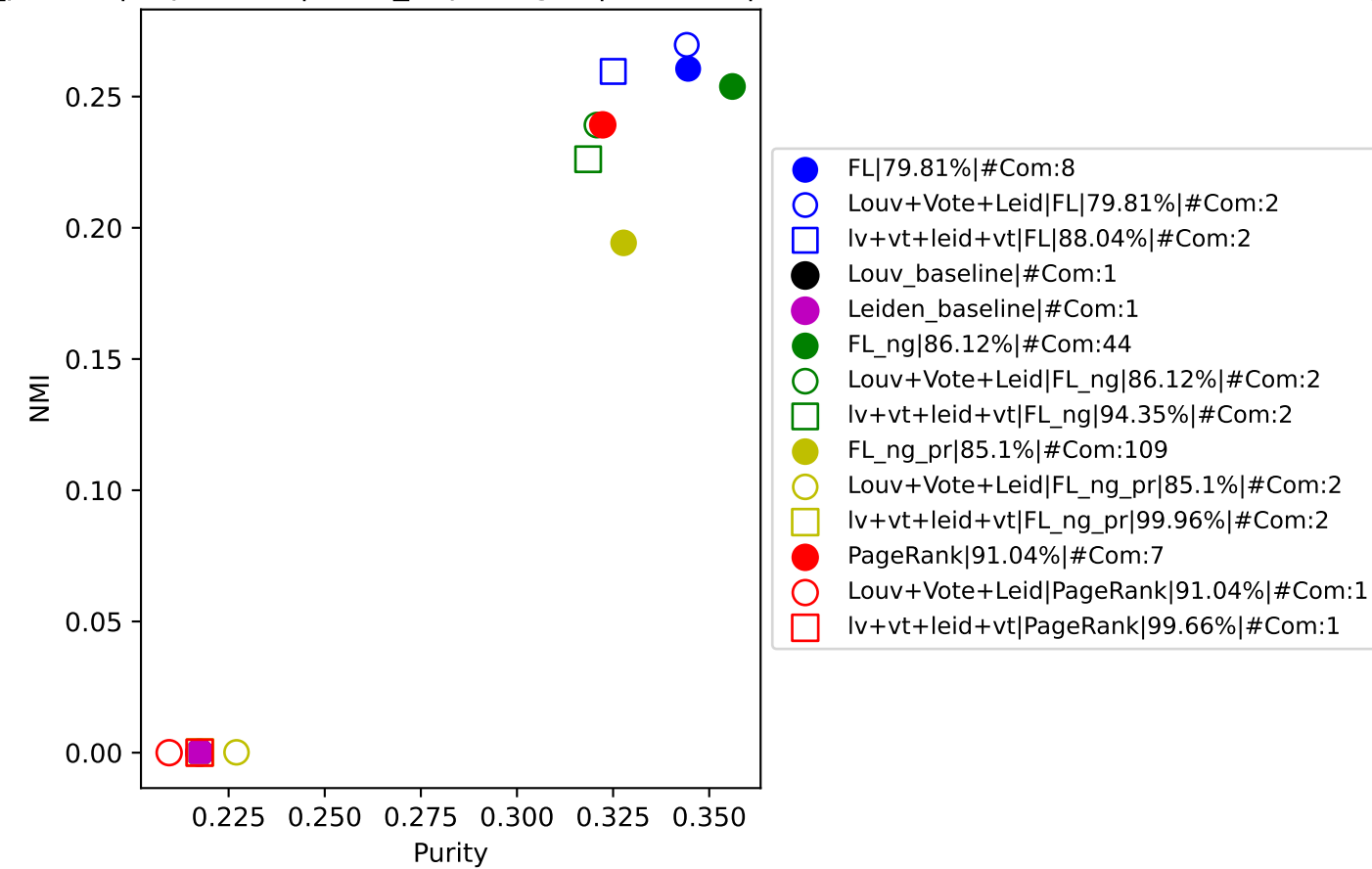
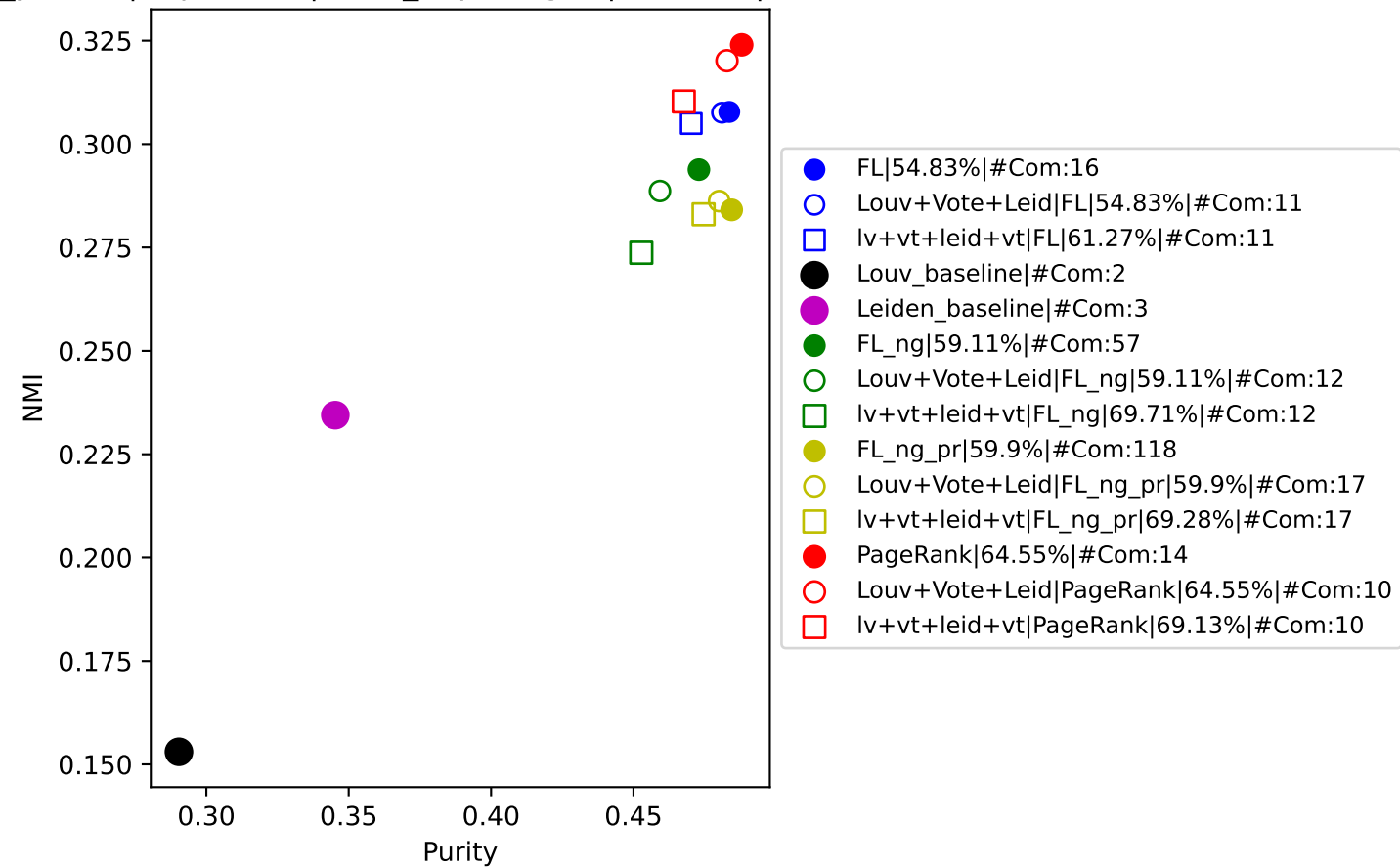


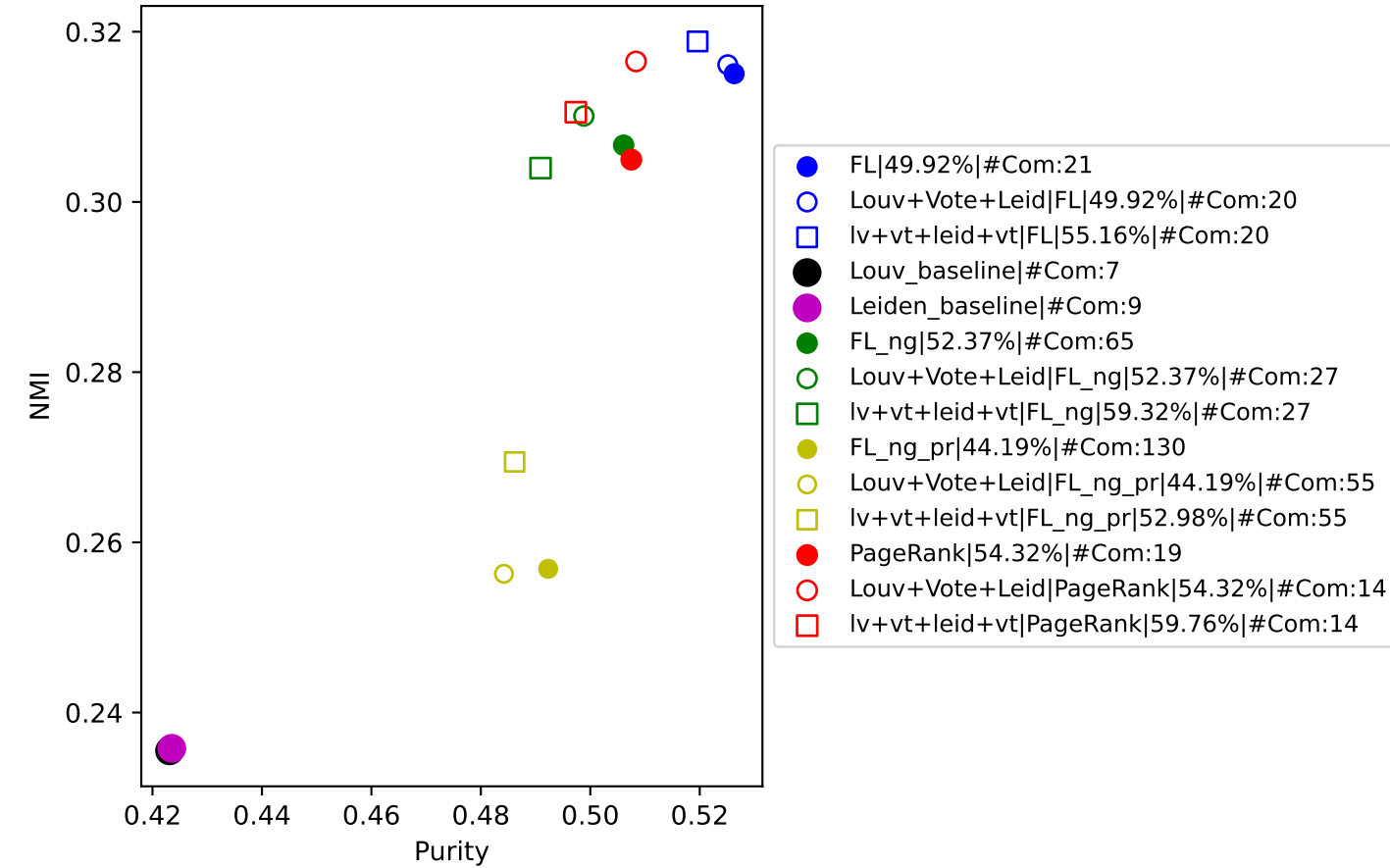
\_patent | top 20.0%| Num\_hops: log(n)|res: 0.05|#OfComm: 9



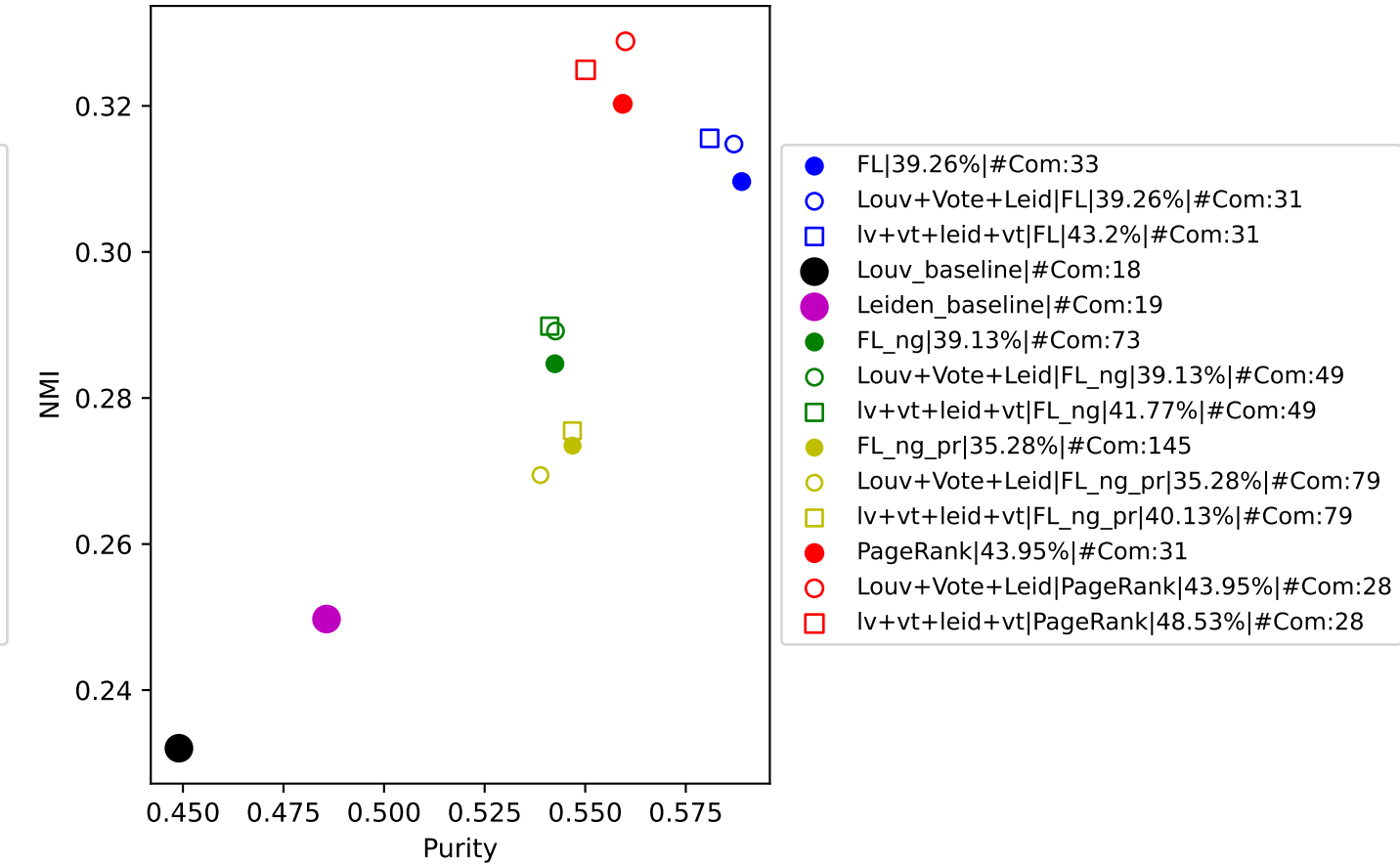
big\_patent | top 20.0%| Num\_hops: log(n)|res: 0.25|#OfComm: 9



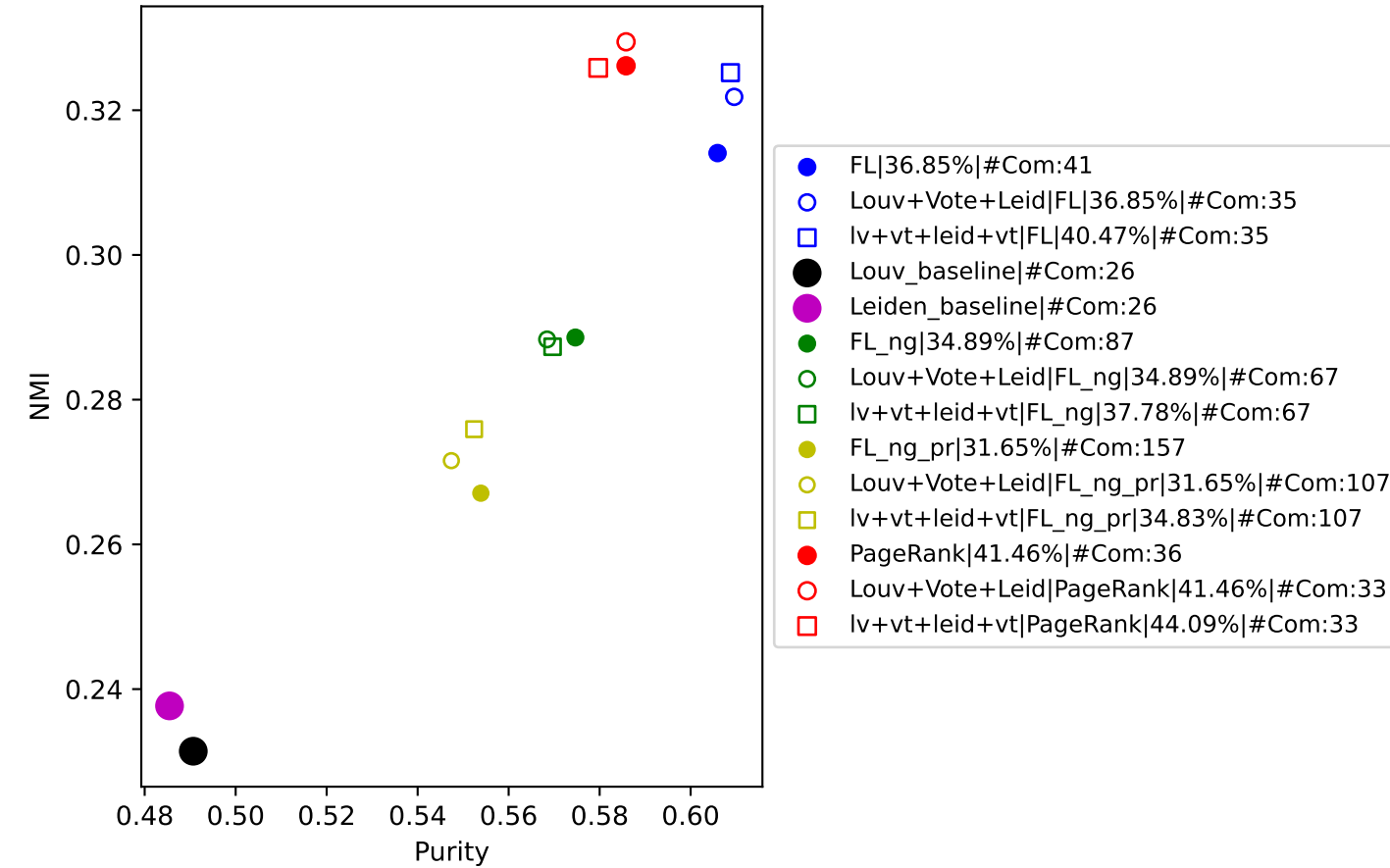
\_patent | top 20.0%| Num\_hops: log(n)|res: 0.5|#OfComm: 9



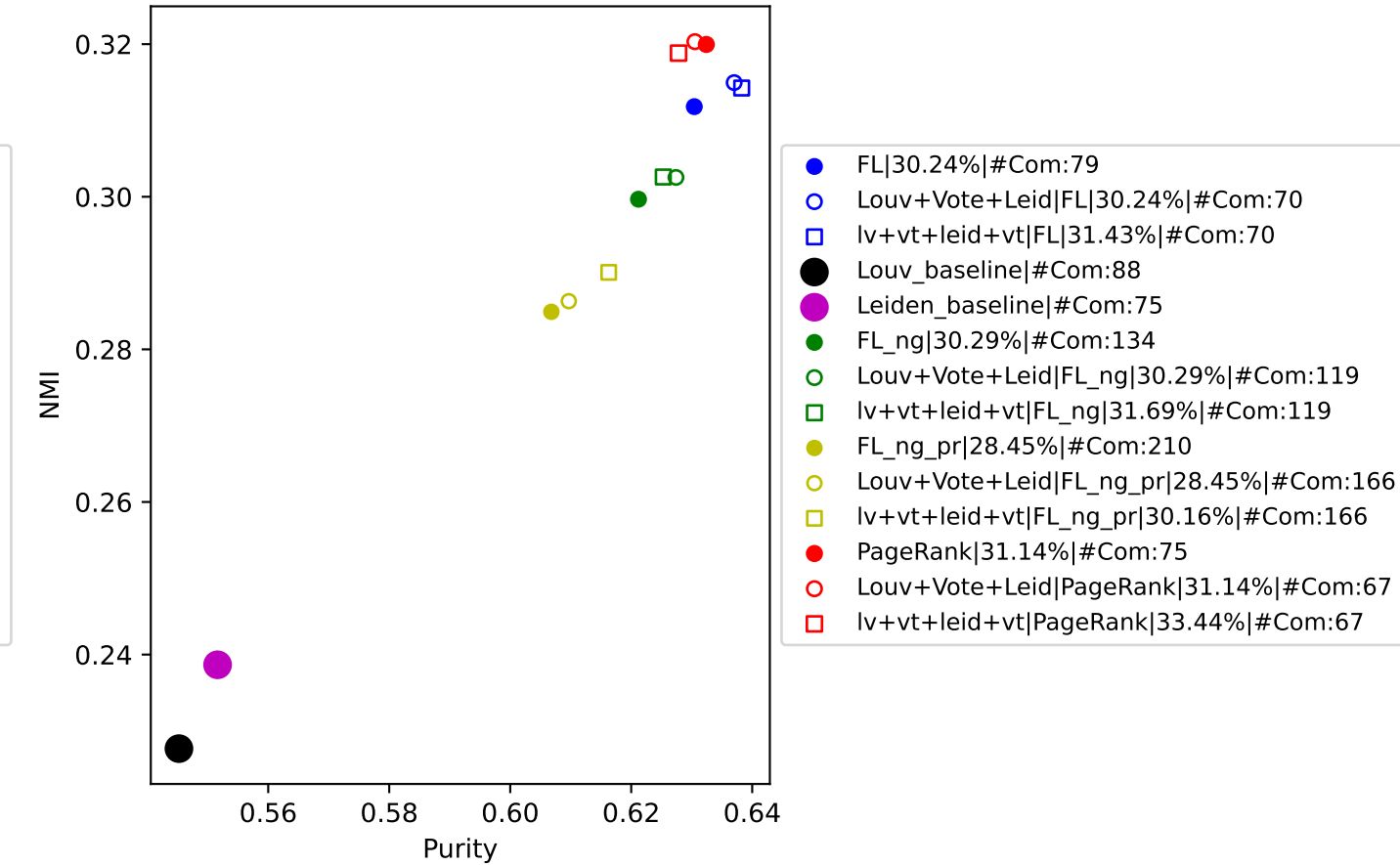
big\_patent | top 20.0%| Num\_hops: log(n)|res: 1|#OfComm: 9



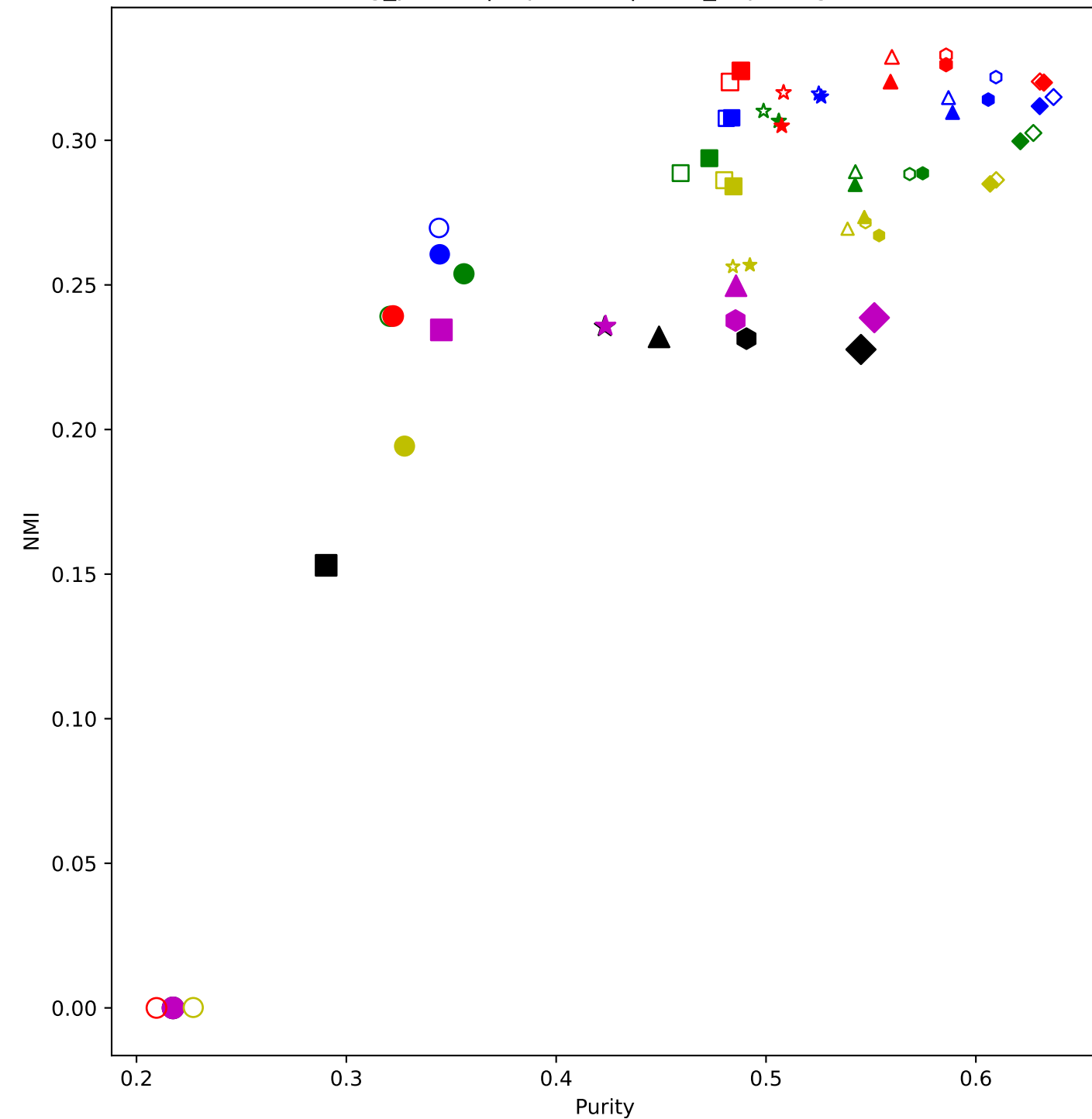
\_patent | top 20.0%| Num\_hops: log(n)|res: 1.5|#OfComm: 9



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 79.81%                      | ▲ FL 1 39.26%                        |
| ○ Louv+Vote+Leid FL 0.05 79.81%       | △ Louv+Vote+Leid FL 1 39.26%         |
| ● Louv_baseline 0.05                  | ▲ Louv_baseline 1                    |
| ● Leiden_baseline 0.05                | ▲ Leiden_baseline 1                  |
| ● FL_ng 0.05 86.12%                   | ▲ FL_ng 1 39.13%                     |
| ○ Louv+Vote+Leid FL_ng 0.05 86.12%    | △ Louv+Vote+Leid FL_ng 1 39.13%      |
| ● FL_ng_pr 0.05 85.1%                 | ▲ FL_ng_pr 1 35.28%                  |
| ○ Louv+Vote+Leid FL_ng_pr 0.05 85.1%  | △ Louv+Vote+Leid FL_ng_pr 1 35.28%   |
| ● PageRank 0.05 91.04%                | ▲ PageRank 1 43.95%                  |
| ○ Louv+Vote+Leid PageRank 0.05 91.04% | △ Louv+Vote+Leid PageRank 1 43.95%   |
| ■ FL 0.25 54.83%                      | ● FL 1.5 36.85%                      |
| □ Louv+Vote+Leid FL 0.25 54.83%       | ○ Louv+Vote+Leid FL 1.5 36.85%       |
| ■ Louv_baseline 0.25                  | ● Louv_baseline 1.5                  |
| ■ Leiden_baseline 0.25                | ● Leiden_baseline 1.5                |
| ■ FL_ng 0.25 59.11%                   | ● FL_ng 1.5 34.89%                   |
| □ Louv+Vote+Leid FL_ng 0.25 59.11%    | ○ Louv+Vote+Leid FL_ng 1.5 34.89%    |
| ■ FL_ng_pr 0.25 59.9%                 | ● FL_ng_pr 1.5 31.65%                |
| □ Louv+Vote+Leid FL_ng_pr 0.25 59.9%  | ○ Louv+Vote+Leid FL_ng_pr 1.5 31.65% |
| ■ PageRank 0.25 64.55%                | ● PageRank 1.5 41.46%                |
| □ Louv+Vote+Leid PageRank 0.25 64.55% | ○ Louv+Vote+Leid PageRank 1.5 41.46% |
| ★ FL 0.5 49.92%                       | ◆ FL 5 30.24%                        |
| ★ Louv+Vote+Leid FL 0.5 49.92%        | ◇ Louv+Vote+Leid FL 5 30.24%         |
| ★ Louv_baseline 0.5                   | ◆ Louv_baseline 5                    |
| ★ Leiden_baseline 0.5                 | ◆ Leiden_baseline 5                  |
| ★ FL_ng 0.5 52.37%                    | ◆ FL_ng 5 30.29%                     |
| ★ Louv+Vote+Leid FL_ng 0.5 52.37%     | ◇ Louv+Vote+Leid FL_ng 5 30.29%      |
| ★ FL_ng_pr 0.5 44.19%                 | ◆ FL_ng_pr 5 28.45%                  |
| ★ Louv+Vote+Leid FL_ng_pr 0.5 44.19%  | ◇ Louv+Vote+Leid FL_ng_pr 5 28.45%   |
| ★ PageRank 0.5 54.32%                 | ◆ PageRank 5 31.14%                  |
| ★ Louv+Vote+Leid PageRank 0.5 54.32%  | ◇ Louv+Vote+Leid PageRank 5 31.14%   |