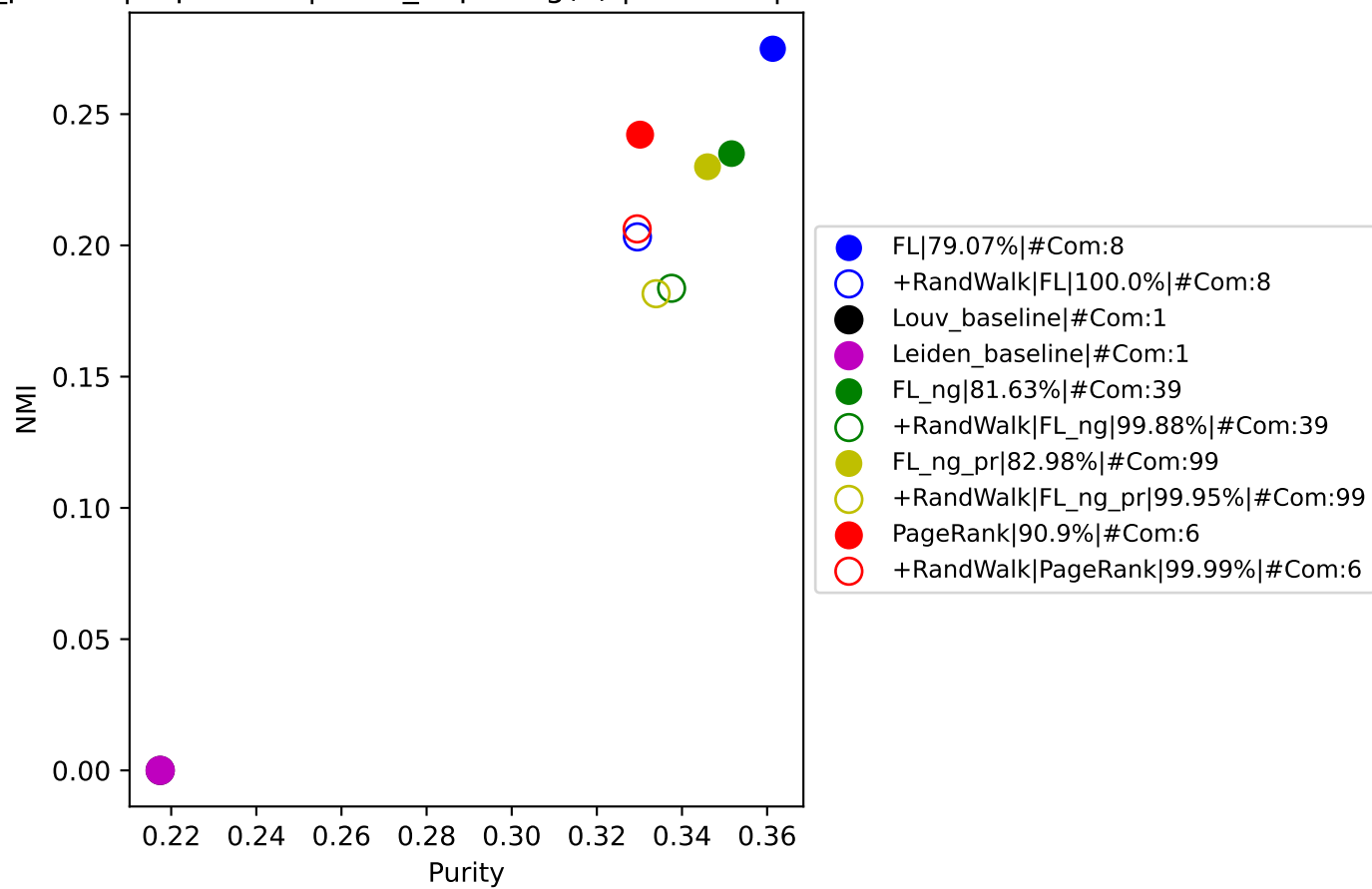
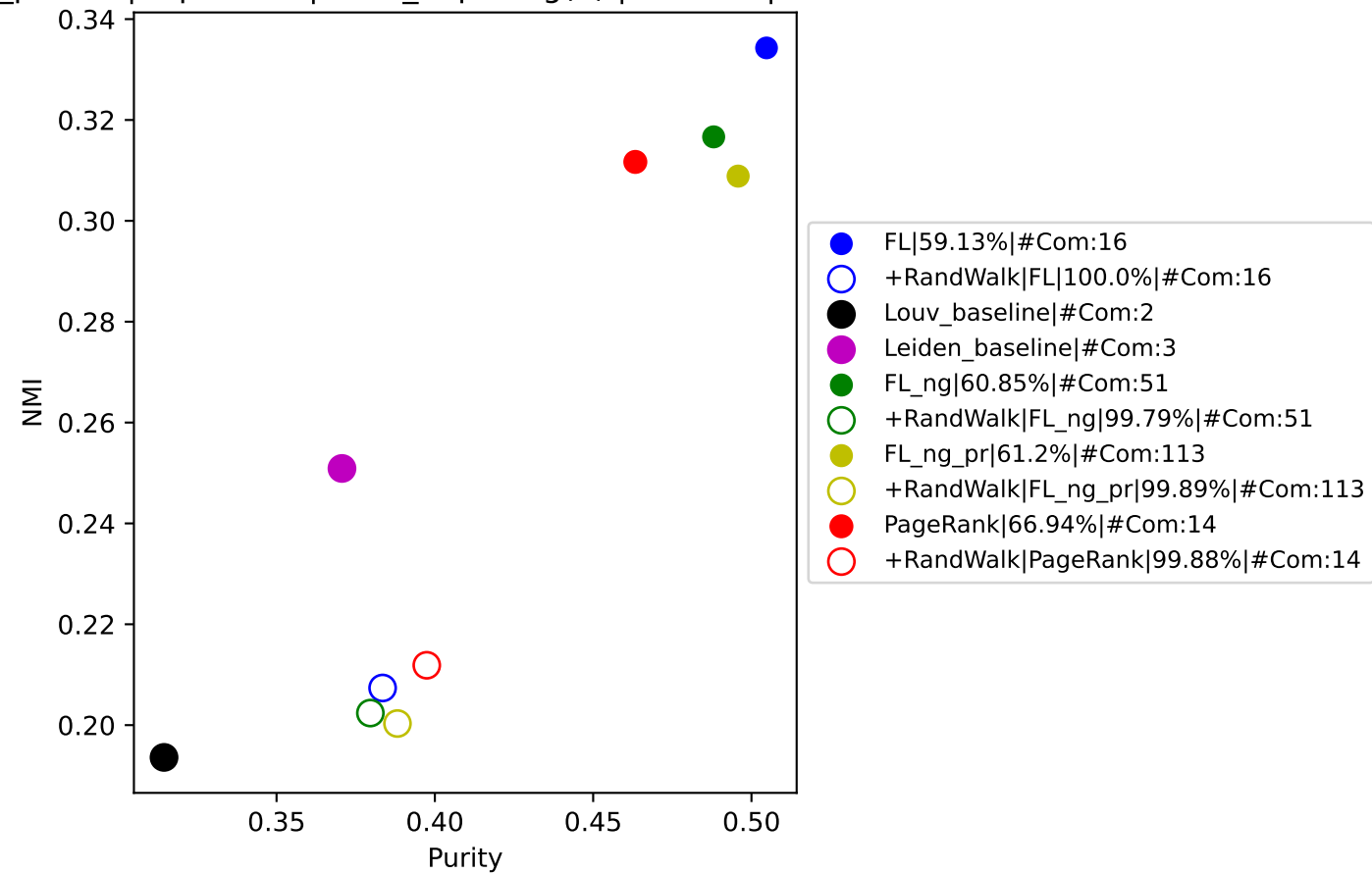


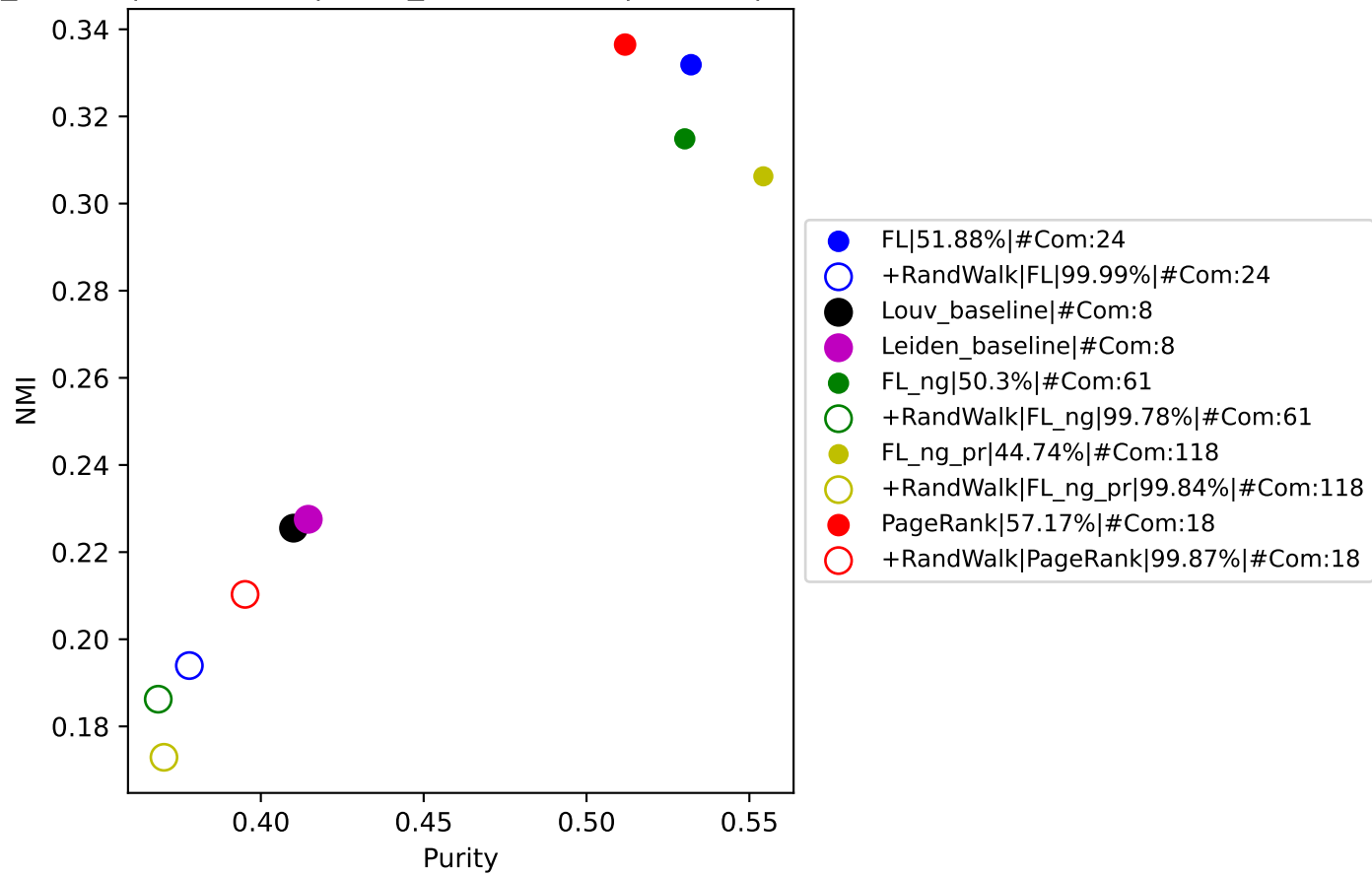
ig\_patent | top 20.0%| Num\_hops: log(n) |res: 0.05|#OfComm: 9



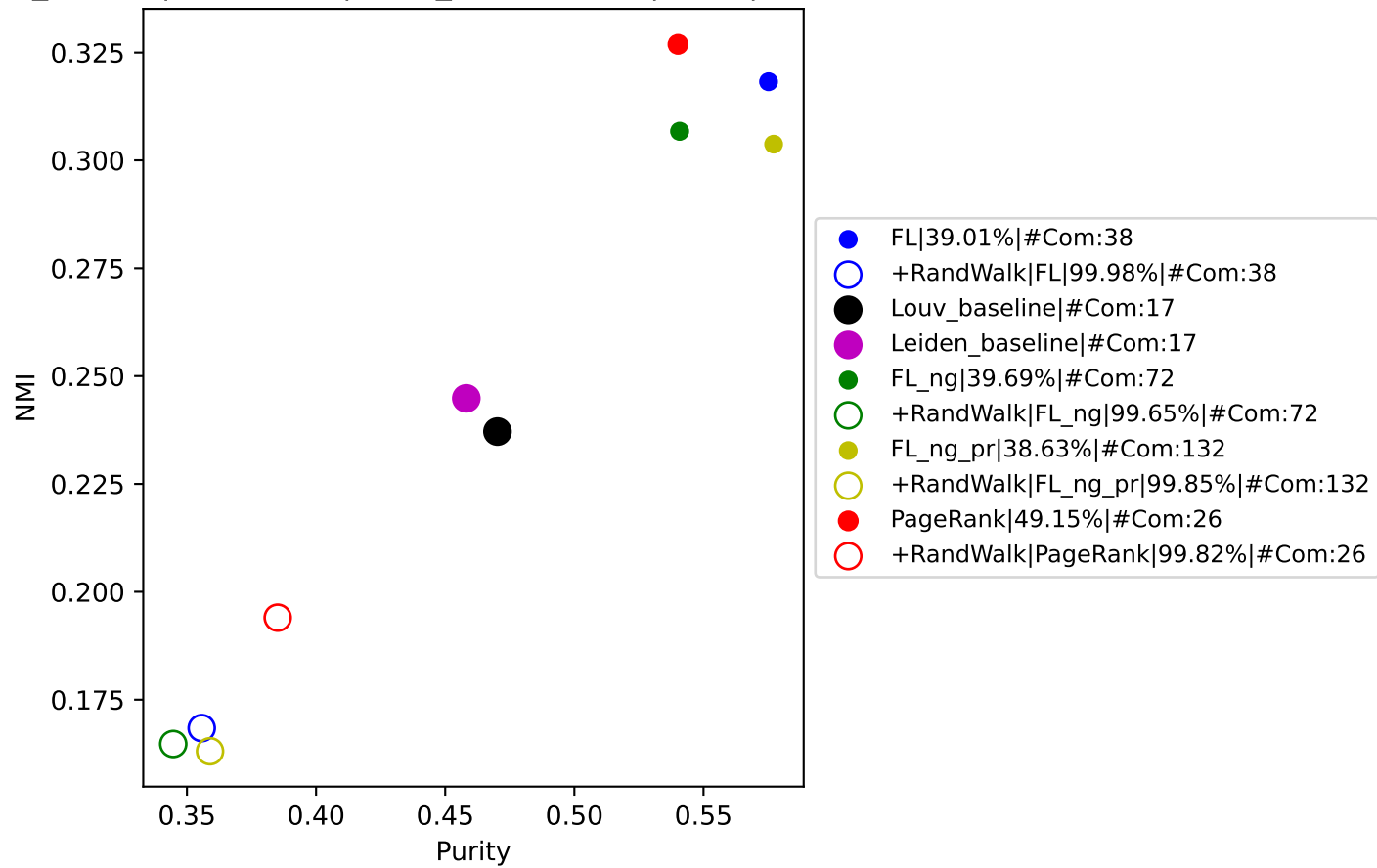
big\_patent | top 20.0%| Num\_hops: log(n) |res: 0.25|#OfComm: 9



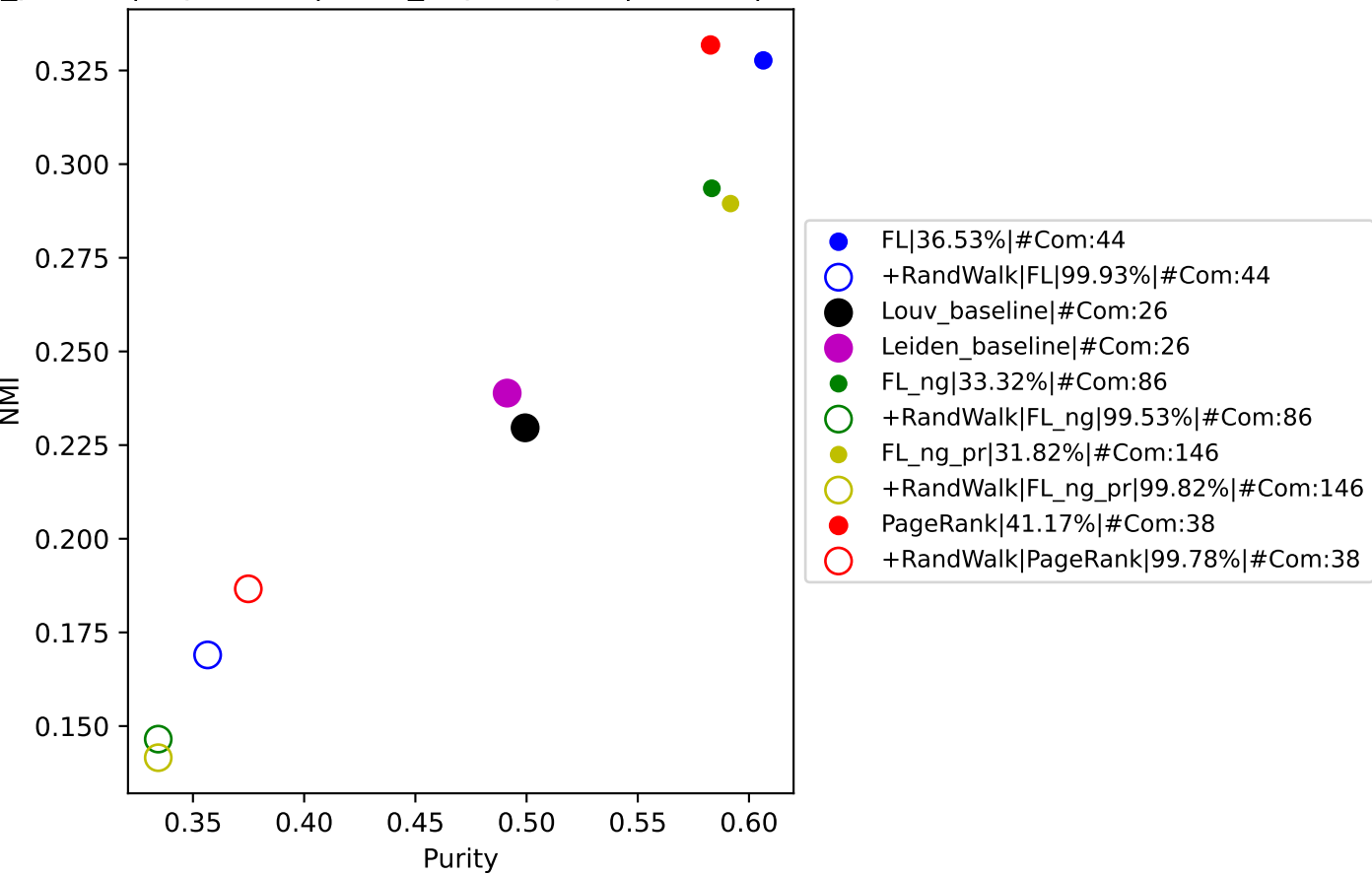
ig\_patent | top 20.0%| Num\_hops: log(n) |res: 0.5|#OfComm: 9



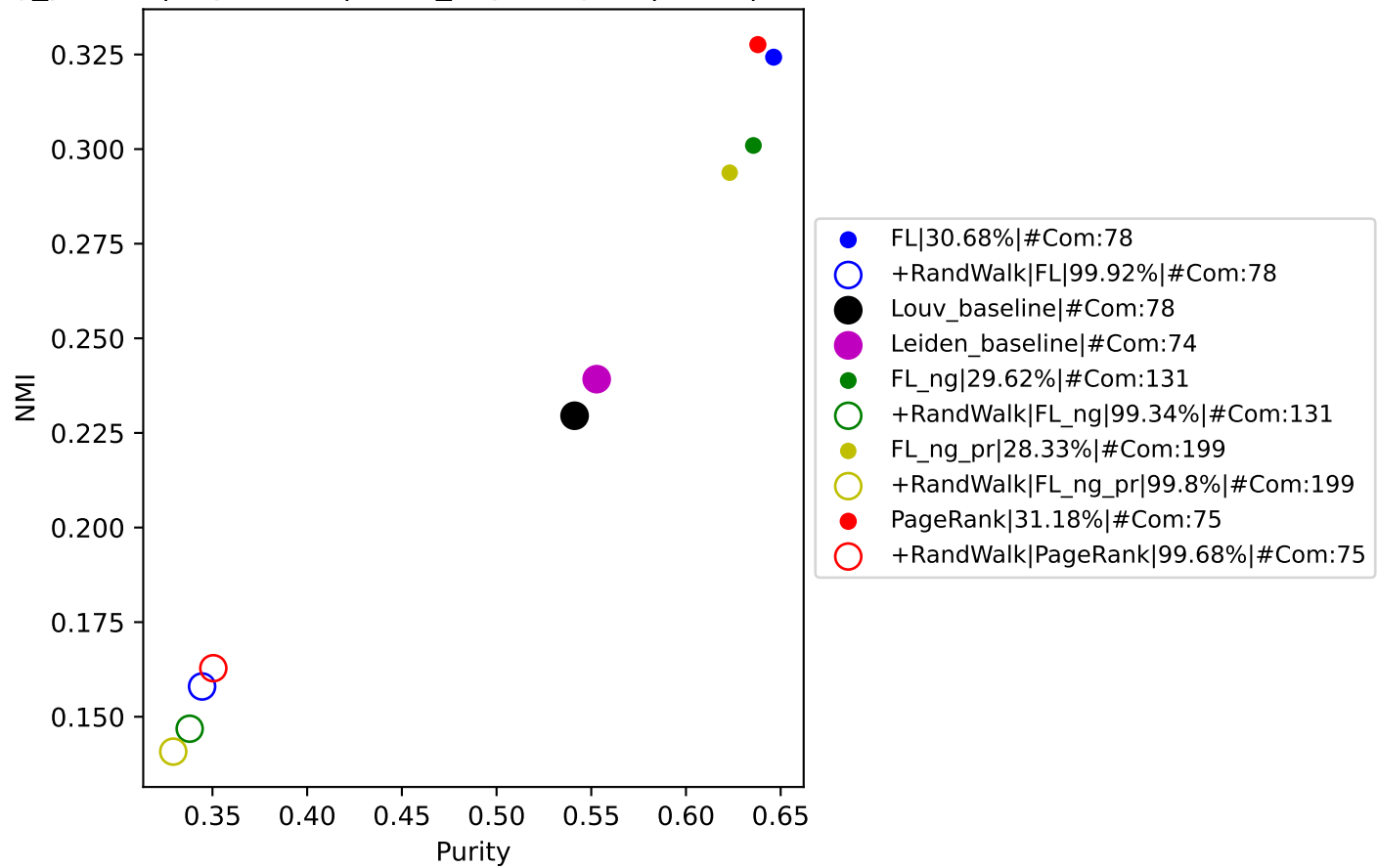
big\_patent | top 20.0%| Num\_hops: log(n) |res: 1|#OfComm: 9



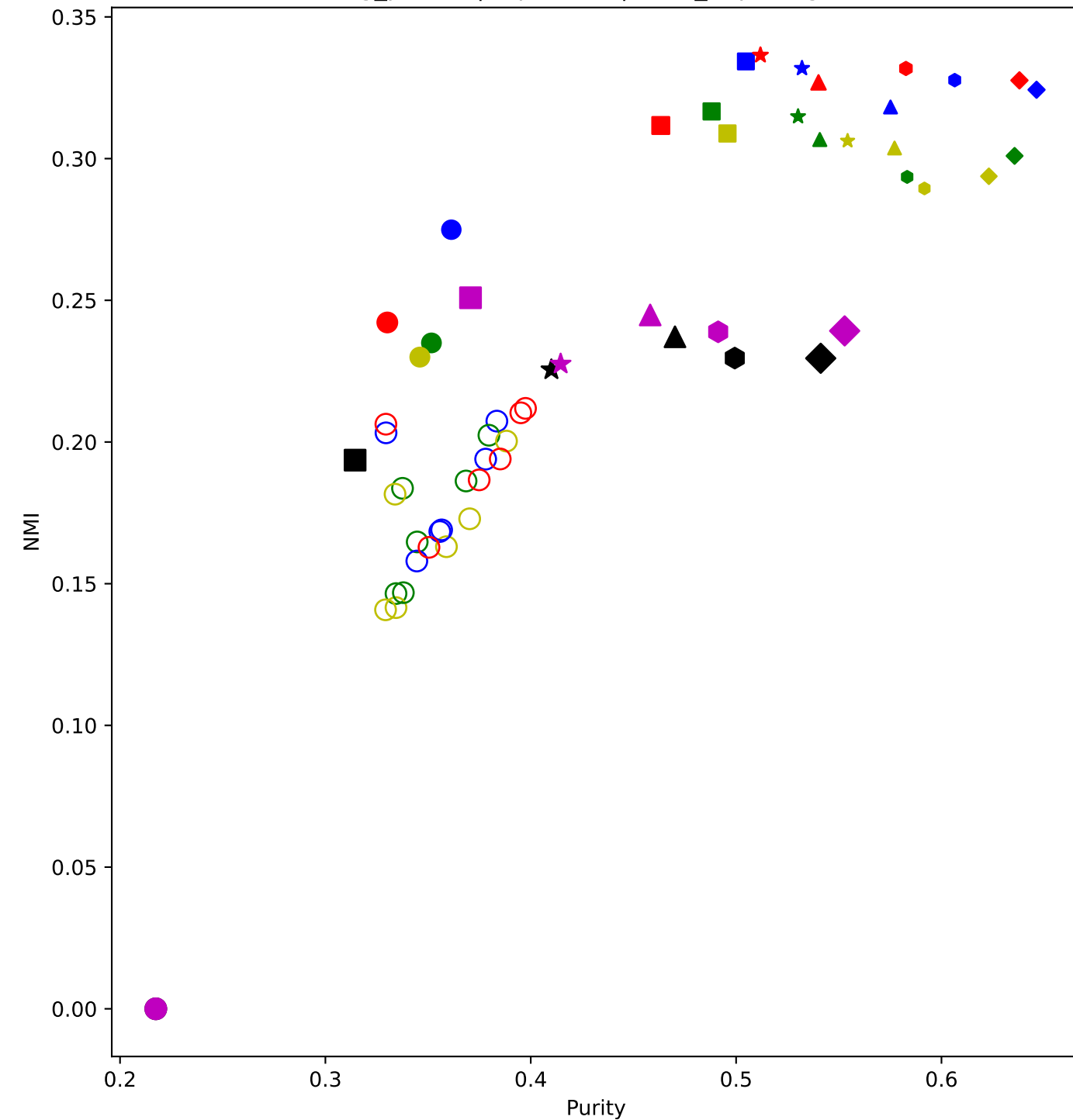
ig\_patent | top 20.0%| Num\_hops: log(n) |res: 1.5|#OfComm: 9



big\_patent | top 20.0%| Num\_hops: log(n) |res: 5|#OfComm: 9



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



- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| ● FL 79.07% #Com:8                   | ▲ FL 39.01% #Com:38                  |
| ○ +RandWalk FL 100.0% #Com:8         | ○ +RandWalk FL 99.98% #Com:38        |
| ● Louv_baseline 0.05                 | ▲ Louv_baseline 1                    |
| ● Leiden_baseline 0.05               | ▲ Leiden_baseline 1                  |
| ● FL_ng 81.63% #Com:39               | ▲ FL_ng 39.69% #Com:72               |
| ○ +RandWalk FL_ng 99.88% #Com:39     | ○ +RandWalk FL_ng 99.65% #Com:72     |
| ● FL_ng_pr 82.98% #Com:99            | ▲ FL_ng_pr 38.63% #Com:132           |
| ○ +RandWalk FL_ng_pr 99.95% #Com:99  | ○ +RandWalk FL_ng_pr 99.85% #Com:132 |
| ● PageRank 90.9% #Com:6              | ▲ PageRank 49.15% #Com:26            |
| ○ +RandWalk PageRank 99.99% #Com:6   | ○ +RandWalk PageRank 99.82% #Com:26  |
| ■ FL 59.13% #Com:16                  | ● FL 36.53% #Com:44                  |
| ○ +RandWalk FL 100.0% #Com:16        | ○ +RandWalk FL 99.93% #Com:44        |
| ■ Louv_baseline 0.25                 | ● Louv_baseline 1.5                  |
| ■ Leiden_baseline 0.25               | ● Leiden_baseline 1.5                |
| ■ FL_ng 60.85% #Com:51               | ● FL_ng 33.32% #Com:86               |
| ○ +RandWalk FL_ng 99.79% #Com:51     | ○ +RandWalk FL_ng 99.53% #Com:86     |
| ■ FL_ng_pr 61.2% #Com:113            | ● FL_ng_pr 31.82% #Com:146           |
| ○ +RandWalk FL_ng_pr 99.89% #Com:113 | ○ +RandWalk FL_ng_pr 99.82% #Com:146 |
| ■ PageRank 66.94% #Com:14            | ● PageRank 41.17% #Com:38            |
| ○ +RandWalk PageRank 99.88% #Com:14  | ○ +RandWalk PageRank 99.78% #Com:38  |
| ★ FL 51.88% #Com:24                  | ◆ FL 30.68% #Com:78                  |
| ○ +RandWalk FL 99.99% #Com:24        | ○ +RandWalk FL 99.92% #Com:78        |
| ★ Louv_baseline 0.5                  | ◆ Louv_baseline 5                    |
| ★ Leiden_baseline 0.5                | ◆ Leiden_baseline 5                  |
| ★ FL_ng 50.3% #Com:61                | ◆ FL_ng 29.62% #Com:131              |
| ○ +RandWalk FL_ng 99.78% #Com:61     | ○ +RandWalk FL_ng 99.34% #Com:131    |
| ★ FL_ng_pr 44.74% #Com:118           | ◆ FL_ng_pr 28.33% #Com:199           |
| ○ +RandWalk FL_ng_pr 99.84% #Com:118 | ○ +RandWalk FL_ng_pr 99.8% #Com:199  |
| ★ PageRank 57.17% #Com:18            | ◆ PageRank 31.18% #Com:75            |
| ○ +RandWalk PageRank 99.87% #Com:18  | ○ +RandWalk PageRank 99.68% #Com:75  |