| **Network measure** | **True effect** | **Social structure** | **Sampling design** | **Detection rate** |
| --- | --- | --- | --- | --- |
| Strength | 0.4 | Communities | 0.1 | 0.35 |
| Strength | 0.4 | No communities | 0.1 | 0.45 |
| Strength | 0.4 | Communities | 0.2 | 0.50 |
| Strength | 0.4 | No communities | 0.2 | 0.75 |
| Strength | 0.4 | Communities | 0.4 | 0.40 |
| Strength | 0.4 | No communities | 0.4 | 0.35 |
| Strength | 0.4 | Communities | 1.0 | 0.55 |
| Strength | 0.4 | No communities | 1.0 | 0.70 |
| Betweenness | 0.4 | Communities | 0.1 | 0.15 |
| Betweenness | 0.4 | No communities | 0.1 | 0.15 |
| Betweenness | 0.4 | Communities | 0.2 | 0.10 |
| Betweenness | 0.4 | No communities | 0.2 | 0.25 |
| Betweenness | 0.4 | Communities | 0.4 | 0.05 |
| Betweenness | 0.4 | No communities | 0.4 | 0.10 |
| Betweenness | 0.4 | Communities | 1.0 | 0.15 |
| Betweenness | 0.4 | No communities | 1.0 | 0.00 |
| Strength | 0.8 | Communities | 0.1 | 0.85 |
| Strength | 0.8 | No communities | 0.1 | 1.00 |
| Strength | 0.8 | Communities | 0.2 | 0.85 |
| Strength | 0.8 | No communities | 0.2 | 0.95 |
| Strength | 0.8 | Communities | 0.4 | 1.00 |
| Strength | 0.8 | No communities | 0.4 | 0.95 |
| Strength | 0.8 | Communities | 1.0 | 1.00 |
| Strength | 0.8 | No communities | 1.0 | 0.95 |
| Betweenness | 0.8 | Communities | 0.1 | 0.20 |
| Betweenness | 0.8 | No communities | 0.1 | 0.05 |
| Betweenness | 0.8 | Communities | 0.2 | 0.25 |
| Betweenness | 0.8 | No communities | 0.2 | 0.35 |
| Betweenness | 0.8 | Communities | 0.4 | 0.25 |
| Betweenness | 0.8 | No communities | 0.4 | 0.35 |
| Betweenness | 0.8 | Communities | 1.0 | 0.10 |
| Betweenness | 0.8 | No communities | 1.0 | 0.25 |