| **Network measure** | **True effect** | **Model** | **Rewiring probability** | **Detection rate** |
| --- | --- | --- | --- | --- |
| Strength | 0.0 | M1 | 0.0 | 0.10 |
| Strength | 0.0 | M1 | 0.1 | 0.05 |
| Strength | 0.0 | M1 | 0.5 | 0.07 |
| Strength | 0.0 | M2 | 0.0 | 0.08 |
| Strength | 0.0 | M2 | 0.1 | 0.02 |
| Strength | 0.0 | M2 | 0.5 | 0.02 |
| Strength | 0.0 | M3 | 0.0 | 0.05 |
| Strength | 0.0 | M3 | 0.1 | 0.00 |
| Strength | 0.0 | M3 | 0.5 | 0.05 |
| Strength | 0.0 | M4 | 0.0 | 0.00 |
| Strength | 0.0 | M4 | 0.1 | 0.02 |
| Strength | 0.0 | M4 | 0.5 | 0.02 |
| Betweenness | 0.0 | M1 | 0.0 | 0.08 |
| Betweenness | 0.0 | M1 | 0.1 | 0.05 |
| Betweenness | 0.0 | M1 | 0.5 | 0.06 |
| Betweenness | 0.0 | M2 | 0.0 | 0.07 |
| Betweenness | 0.0 | M2 | 0.1 | 0.09 |
| Betweenness | 0.0 | M2 | 0.5 | 0.03 |
| Betweenness | 0.0 | M3 | 0.0 | 0.09 |
| Betweenness | 0.0 | M3 | 0.1 | 0.08 |
| Betweenness | 0.0 | M3 | 0.5 | 0.12 |
| Betweenness | 0.0 | M4 | 0.0 | 0.08 |
| Betweenness | 0.0 | M4 | 0.1 | 0.07 |
| Betweenness | 0.0 | M4 | 0.5 | 0.12 |
| Strength | 0.4 | M1 | 0.0 | 0.27 |
| Strength | 0.4 | M1 | 0.1 | 0.44 |
| Strength | 0.4 | M1 | 0.5 | 0.37 |
| Strength | 0.4 | M2 | 0.0 | 0.20 |
| Strength | 0.4 | M2 | 0.1 | 0.32 |
| Strength | 0.4 | M2 | 0.5 | 0.25 |
| Strength | 0.4 | M3 | 0.0 | 0.63 |
| Strength | 0.4 | M3 | 0.1 | 0.83 |
| Strength | 0.4 | M3 | 0.5 | 0.75 |
| Strength | 0.4 | M4 | 0.0 | 0.57 |
| Strength | 0.4 | M4 | 0.1 | 0.75 |
| Strength | 0.4 | M4 | 0.5 | 0.72 |
| Betweenness | 0.4 | M1 | 0.0 | 0.10 |
| Betweenness | 0.4 | M1 | 0.1 | 0.11 |
| Betweenness | 0.4 | M1 | 0.5 | 0.08 |
| Betweenness | 0.4 | M2 | 0.0 | 0.10 |
| Betweenness | 0.4 | M2 | 0.1 | 0.16 |
| Betweenness | 0.4 | M2 | 0.5 | 0.09 |
| Betweenness | 0.4 | M3 | 0.0 | 0.67 |
| Betweenness | 0.4 | M3 | 0.1 | 0.70 |
| Betweenness | 0.4 | M3 | 0.5 | 0.78 |
| Betweenness | 0.4 | M4 | 0.0 | 0.61 |
| Betweenness | 0.4 | M4 | 0.1 | 0.62 |
| Betweenness | 0.4 | M4 | 0.5 | 0.73 |
| Strength | 0.8 | M1 | 0.0 | 0.75 |
| Strength | 0.8 | M1 | 0.1 | 0.76 |
| Strength | 0.8 | M1 | 0.5 | 0.74 |
| Strength | 0.8 | M2 | 0.0 | 0.71 |
| Strength | 0.8 | M2 | 0.1 | 0.68 |
| Strength | 0.8 | M2 | 0.5 | 0.67 |
| Strength | 0.8 | M3 | 0.0 | 1.00 |
| Strength | 0.8 | M3 | 0.1 | 0.98 |
| Strength | 0.8 | M3 | 0.5 | 1.00 |
| Strength | 0.8 | M4 | 0.0 | 1.00 |
| Strength | 0.8 | M4 | 0.1 | 1.00 |
| Strength | 0.8 | M4 | 0.5 | 0.97 |
| Betweenness | 0.8 | M1 | 0.0 | 0.11 |
| Betweenness | 0.8 | M1 | 0.1 | 0.23 |
| Betweenness | 0.8 | M1 | 0.5 | 0.12 |
| Betweenness | 0.8 | M2 | 0.0 | 0.15 |
| Betweenness | 0.8 | M2 | 0.1 | 0.28 |
| Betweenness | 0.8 | M2 | 0.5 | 0.12 |
| Betweenness | 0.8 | M3 | 0.0 | 1.00 |
| Betweenness | 0.8 | M3 | 0.1 | 1.00 |
| Betweenness | 0.8 | M3 | 0.5 | 1.00 |
| Betweenness | 0.8 | M4 | 0.0 | 1.00 |
| Betweenness | 0.8 | M4 | 0.1 | 0.98 |
| Betweenness | 0.8 | M4 | 0.5 | 0.97 |