| **Network measure** | **True effect** | **Model** | **Rewiring probability** | **Detection rate** |
| --- | --- | --- | --- | --- |
| Strength | 0.0 | M1 | 0.0 | 0.05 |
| Strength | 0.0 | M1 | 0.1 | 0.03 |
| Strength | 0.0 | M1 | 0.5 | 0.07 |
| Strength | 0.0 | M2 | 0.0 | 0.07 |
| Strength | 0.0 | M2 | 0.1 | 0.03 |
| Strength | 0.0 | M2 | 0.5 | 0.07 |
| Strength | 0.0 | M3 | 0.0 | 0.07 |
| Strength | 0.0 | M3 | 0.1 | 0.05 |
| Strength | 0.0 | M3 | 0.5 | 0.02 |
| Strength | 0.0 | M4 | 0.0 | 0.07 |
| Strength | 0.0 | M4 | 0.1 | 0.05 |
| Strength | 0.0 | M4 | 0.5 | 0.03 |
| Betweenness | 0.0 | M1 | 0.0 | 0.10 |
| Betweenness | 0.0 | M1 | 0.1 | 0.00 |
| Betweenness | 0.0 | M1 | 0.5 | 0.05 |
| Betweenness | 0.0 | M2 | 0.0 | 0.08 |
| Betweenness | 0.0 | M2 | 0.1 | 0.00 |
| Betweenness | 0.0 | M2 | 0.5 | 0.02 |
| Betweenness | 0.0 | M3 | 0.0 | 0.07 |
| Betweenness | 0.0 | M3 | 0.1 | 0.02 |
| Betweenness | 0.0 | M3 | 0.5 | 0.11 |
| Betweenness | 0.0 | M4 | 0.0 | 0.07 |
| Betweenness | 0.0 | M4 | 0.1 | 0.02 |
| Betweenness | 0.0 | M4 | 0.5 | 0.13 |
| Strength | 0.4 | M1 | 0.0 | 0.92 |
| Strength | 0.4 | M1 | 0.1 | 0.87 |
| Strength | 0.4 | M1 | 0.5 | 0.87 |
| Strength | 0.4 | M2 | 0.0 | 0.92 |
| Strength | 0.4 | M2 | 0.1 | 0.87 |
| Strength | 0.4 | M2 | 0.5 | 0.88 |
| Strength | 0.4 | M3 | 0.0 | 1.00 |
| Strength | 0.4 | M3 | 0.1 | 1.00 |
| Strength | 0.4 | M3 | 0.5 | 0.97 |
| Strength | 0.4 | M4 | 0.0 | 1.00 |
| Strength | 0.4 | M4 | 0.1 | 1.00 |
| Strength | 0.4 | M4 | 0.5 | 0.97 |
| Betweenness | 0.4 | M1 | 0.0 | 0.69 |
| Betweenness | 0.4 | M1 | 0.1 | 0.59 |
| Betweenness | 0.4 | M1 | 0.5 | 0.62 |
| Betweenness | 0.4 | M2 | 0.0 | 0.63 |
| Betweenness | 0.4 | M2 | 0.1 | 0.62 |
| Betweenness | 0.4 | M2 | 0.5 | 0.67 |
| Betweenness | 0.4 | M3 | 0.0 | 0.98 |
| Betweenness | 0.4 | M3 | 0.1 | 1.00 |
| Betweenness | 0.4 | M3 | 0.5 | 1.00 |
| Betweenness | 0.4 | M4 | 0.0 | 1.00 |
| Betweenness | 0.4 | M4 | 0.1 | 1.00 |
| Betweenness | 0.4 | M4 | 0.5 | 0.98 |
| Strength | 0.8 | M1 | 0.0 | 1.00 |
| Strength | 0.8 | M1 | 0.1 | 1.00 |
| Strength | 0.8 | M1 | 0.5 | 1.00 |
| Strength | 0.8 | M2 | 0.0 | 1.00 |
| Strength | 0.8 | M2 | 0.1 | 1.00 |
| Strength | 0.8 | M2 | 0.5 | 1.00 |
| Strength | 0.8 | M3 | 0.0 | 1.00 |
| Strength | 0.8 | M3 | 0.1 | 1.00 |
| 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 | 1.00 |
| Betweenness | 0.8 | M1 | 0.0 | 0.98 |
| Betweenness | 0.8 | M1 | 0.1 | 1.00 |
| Betweenness | 0.8 | M1 | 0.5 | 0.98 |
| Betweenness | 0.8 | M2 | 0.0 | 0.98 |
| Betweenness | 0.8 | M2 | 0.1 | 1.00 |
| Betweenness | 0.8 | M2 | 0.5 | 0.98 |
| 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 | 1.00 |
| Betweenness | 0.8 | M4 | 0.5 | 1.00 |