| **Network measure** | **True effect** | **Model** | **Network covariance** | **Detection rate** |
| --- | --- | --- | --- | --- |
| Strength | 0.0 | M1 | -0.8 | 0.05 |
| Strength | 0.0 | M1 | 0.0 | 0.07 |
| Strength | 0.0 | M1 | 0.8 | 0.10 |
| Strength | 0.0 | M2 | -0.8 | 0.05 |
| Strength | 0.0 | M2 | 0.0 | 0.00 |
| Strength | 0.0 | M2 | 0.8 | 0.07 |
| Strength | 0.0 | M3 | -0.8 | 0.03 |
| Strength | 0.0 | M3 | 0.0 | 0.02 |
| Strength | 0.0 | M3 | 0.8 | 0.05 |
| Strength | 0.0 | M4 | -0.8 | 0.00 |
| Strength | 0.0 | M4 | 0.0 | 0.03 |
| Strength | 0.0 | M4 | 0.8 | 0.00 |
| Betweenness | 0.0 | M1 | -0.8 | 0.00 |
| Betweenness | 0.0 | M1 | 0.0 | 0.07 |
| Betweenness | 0.0 | M1 | 0.8 | 0.12 |
| Betweenness | 0.0 | M2 | -0.8 | 0.07 |
| Betweenness | 0.0 | M2 | 0.0 | 0.02 |
| Betweenness | 0.0 | M2 | 0.8 | 0.10 |
| Betweenness | 0.0 | M3 | -0.8 | 0.05 |
| Betweenness | 0.0 | M3 | 0.0 | 0.10 |
| Betweenness | 0.0 | M3 | 0.8 | 0.14 |
| Betweenness | 0.0 | M4 | -0.8 | 0.03 |
| Betweenness | 0.0 | M4 | 0.0 | 0.13 |
| Betweenness | 0.0 | M4 | 0.8 | 0.10 |
| Strength | 0.4 | M1 | -0.8 | 0.32 |
| Strength | 0.4 | M1 | 0.0 | 0.40 |
| Strength | 0.4 | M1 | 0.8 | 0.37 |
| Strength | 0.4 | M2 | -0.8 | 0.22 |
| Strength | 0.4 | M2 | 0.0 | 0.28 |
| Strength | 0.4 | M2 | 0.8 | 0.27 |
| Strength | 0.4 | M3 | -0.8 | 0.73 |
| Strength | 0.4 | M3 | 0.0 | 0.73 |
| Strength | 0.4 | M3 | 0.8 | 0.75 |
| Strength | 0.4 | M4 | -0.8 | 0.67 |
| Strength | 0.4 | M4 | 0.0 | 0.70 |
| Strength | 0.4 | M4 | 0.8 | 0.67 |
| Betweenness | 0.4 | M1 | -0.8 | 0.08 |
| Betweenness | 0.4 | M1 | 0.0 | 0.13 |
| Betweenness | 0.4 | M1 | 0.8 | 0.08 |
| Betweenness | 0.4 | M2 | -0.8 | 0.14 |
| Betweenness | 0.4 | M2 | 0.0 | 0.12 |
| Betweenness | 0.4 | M2 | 0.8 | 0.09 |
| Betweenness | 0.4 | M3 | -0.8 | 0.83 |
| Betweenness | 0.4 | M3 | 0.0 | 0.61 |
| Betweenness | 0.4 | M3 | 0.8 | 0.69 |
| Betweenness | 0.4 | M4 | -0.8 | 0.71 |
| Betweenness | 0.4 | M4 | 0.0 | 0.63 |
| Betweenness | 0.4 | M4 | 0.8 | 0.61 |
| Strength | 0.8 | M1 | -0.8 | 0.68 |
| Strength | 0.8 | M1 | 0.0 | 0.78 |
| Strength | 0.8 | M1 | 0.8 | 0.79 |
| Strength | 0.8 | M2 | -0.8 | 0.65 |
| Strength | 0.8 | M2 | 0.0 | 0.72 |
| Strength | 0.8 | M2 | 0.8 | 0.69 |
| Strength | 0.8 | M3 | -0.8 | 1.00 |
| Strength | 0.8 | M3 | 0.0 | 0.98 |
| Strength | 0.8 | M3 | 0.8 | 1.00 |
| Strength | 0.8 | M4 | -0.8 | 0.98 |
| Strength | 0.8 | M4 | 0.0 | 1.00 |
| Strength | 0.8 | M4 | 0.8 | 0.98 |
| Betweenness | 0.8 | M1 | -0.8 | 0.05 |
| Betweenness | 0.8 | M1 | 0.0 | 0.20 |
| Betweenness | 0.8 | M1 | 0.8 | 0.25 |
| Betweenness | 0.8 | M2 | -0.8 | 0.09 |
| Betweenness | 0.8 | M2 | 0.0 | 0.21 |
| Betweenness | 0.8 | M2 | 0.8 | 0.25 |
| Betweenness | 0.8 | M3 | -0.8 | 1.00 |
| Betweenness | 0.8 | M3 | 0.0 | 1.00 |
| Betweenness | 0.8 | M3 | 0.8 | 1.00 |
| Betweenness | 0.8 | M4 | -0.8 | 0.98 |
| Betweenness | 0.8 | M4 | 0.0 | 0.98 |
| Betweenness | 0.8 | M4 | 0.8 | 0.98 |