| **Network measure** | **True effect** | **Model** | **Network covariance** | **Detection rate** |
| --- | --- | --- | --- | --- |
| Strength | 0.0 | M1 | -0.8 | 0.02 |
| Strength | 0.0 | M1 | 0.0 | 0.05 |
| Strength | 0.0 | M1 | 0.8 | 0.08 |
| Strength | 0.0 | M2 | -0.8 | 0.03 |
| Strength | 0.0 | M2 | 0.0 | 0.03 |
| Strength | 0.0 | M2 | 0.8 | 0.10 |
| Strength | 0.0 | M3 | -0.8 | 0.05 |
| Strength | 0.0 | M3 | 0.0 | 0.03 |
| Strength | 0.0 | M3 | 0.8 | 0.05 |
| Strength | 0.0 | M4 | -0.8 | 0.03 |
| Strength | 0.0 | M4 | 0.0 | 0.07 |
| Strength | 0.0 | M4 | 0.8 | 0.05 |
| Betweenness | 0.0 | M1 | -0.8 | 0.08 |
| Betweenness | 0.0 | M1 | 0.0 | 0.02 |
| Betweenness | 0.0 | M1 | 0.8 | 0.05 |
| Betweenness | 0.0 | M2 | -0.8 | 0.07 |
| Betweenness | 0.0 | M2 | 0.0 | 0.02 |
| Betweenness | 0.0 | M2 | 0.8 | 0.02 |
| Betweenness | 0.0 | M3 | -0.8 | 0.08 |
| Betweenness | 0.0 | M3 | 0.0 | 0.04 |
| Betweenness | 0.0 | M3 | 0.8 | 0.07 |
| Betweenness | 0.0 | M4 | -0.8 | 0.10 |
| Betweenness | 0.0 | M4 | 0.0 | 0.05 |
| Betweenness | 0.0 | M4 | 0.8 | 0.07 |
| Strength | 0.4 | M1 | -0.8 | 0.82 |
| Strength | 0.4 | M1 | 0.0 | 0.95 |
| Strength | 0.4 | M1 | 0.8 | 0.88 |
| Strength | 0.4 | M2 | -0.8 | 0.85 |
| Strength | 0.4 | M2 | 0.0 | 0.95 |
| Strength | 0.4 | M2 | 0.8 | 0.87 |
| Strength | 0.4 | M3 | -0.8 | 0.97 |
| Strength | 0.4 | M3 | 0.0 | 1.00 |
| Strength | 0.4 | M3 | 0.8 | 1.00 |
| Strength | 0.4 | M4 | -0.8 | 0.97 |
| Strength | 0.4 | M4 | 0.0 | 1.00 |
| Strength | 0.4 | M4 | 0.8 | 1.00 |
| Betweenness | 0.4 | M1 | -0.8 | 0.68 |
| Betweenness | 0.4 | M1 | 0.0 | 0.64 |
| Betweenness | 0.4 | M1 | 0.8 | 0.57 |
| Betweenness | 0.4 | M2 | -0.8 | 0.67 |
| Betweenness | 0.4 | M2 | 0.0 | 0.68 |
| Betweenness | 0.4 | M2 | 0.8 | 0.57 |
| Betweenness | 0.4 | M3 | -0.8 | 1.00 |
| Betweenness | 0.4 | M3 | 0.0 | 1.00 |
| Betweenness | 0.4 | M3 | 0.8 | 0.98 |
| Betweenness | 0.4 | M4 | -0.8 | 0.98 |
| Betweenness | 0.4 | M4 | 0.0 | 1.00 |
| Betweenness | 0.4 | M4 | 0.8 | 1.00 |
| Strength | 0.8 | M1 | -0.8 | 1.00 |
| Strength | 0.8 | M1 | 0.0 | 1.00 |
| Strength | 0.8 | M1 | 0.8 | 1.00 |
| Strength | 0.8 | M2 | -0.8 | 1.00 |
| Strength | 0.8 | M2 | 0.0 | 1.00 |
| Strength | 0.8 | M2 | 0.8 | 1.00 |
| Strength | 0.8 | M3 | -0.8 | 1.00 |
| Strength | 0.8 | M3 | 0.0 | 1.00 |
| Strength | 0.8 | M3 | 0.8 | 1.00 |
| Strength | 0.8 | M4 | -0.8 | 1.00 |
| Strength | 0.8 | M4 | 0.0 | 1.00 |
| Strength | 0.8 | M4 | 0.8 | 1.00 |
| Betweenness | 0.8 | M1 | -0.8 | 1.00 |
| Betweenness | 0.8 | M1 | 0.0 | 0.98 |
| Betweenness | 0.8 | M1 | 0.8 | 0.98 |
| Betweenness | 0.8 | M2 | -0.8 | 0.98 |
| Betweenness | 0.8 | M2 | 0.0 | 1.00 |
| Betweenness | 0.8 | M2 | 0.8 | 0.98 |
| 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 | 1.00 |
| Betweenness | 0.8 | M4 | 0.0 | 1.00 |
| Betweenness | 0.8 | M4 | 0.8 | 1.00 |