

**Table S1.** CSN parameters of similarity threshold analysis.

| Similarity threshold | Density | Communities | Modularity | Singletons | ACC |
|----------------------|---------|-------------|------------|------------|-------|
| 0.1 | 0.999 | 3 | 0.03 | 0 | 0.999 |
| 0.15 | 0.996 | 3 | 0.03 | 0 | 0.996 |
| 0.2 | 0.985 | 3 | 0.03 | 0 | 0.988 |
| 0.25 | 0.956 | 3 | 0.04 | 0 | 0.968 |
| 0.3 | 0.891 | 3 | 0.05 | 0 | 0.93 |
| 0.35 | 0.772 | 3 | 0.07 | 0 | 0.87 |
| 0.4 | 0.593 | 3 | 0.11 | 0 | 0.791 |
| 0.45 | 0.383 | 4 | 0.16 | 2 | 0.703 |
| 0.5 | 0.199 | 4 | 0.23 | 3 | 0.612 |
| 0.55 | 0.079 | 6 | 0.34 | 20 | 0.508 |
| 0.6 | 0.023 | 10 | 0.47 | 99 | 0.428 |
| 0.65 | 0.005 | 34 | 0.68 | 238 | 0.419 |
| 0.7 | 0.001 | 38 | 0.81 | 449 | 0.544 |
| 0.75 | 0 | 21 | 0.85 | 548 | 0.535 |
| 0.8 | 0 | 13 | 0.84 | 587 | 0.456 |
| 0.85 | 0 | 9 | 0.87 | 606 | 0.456 |
| 0.9 | 0 | 2 | 0.5 | 623 | - |