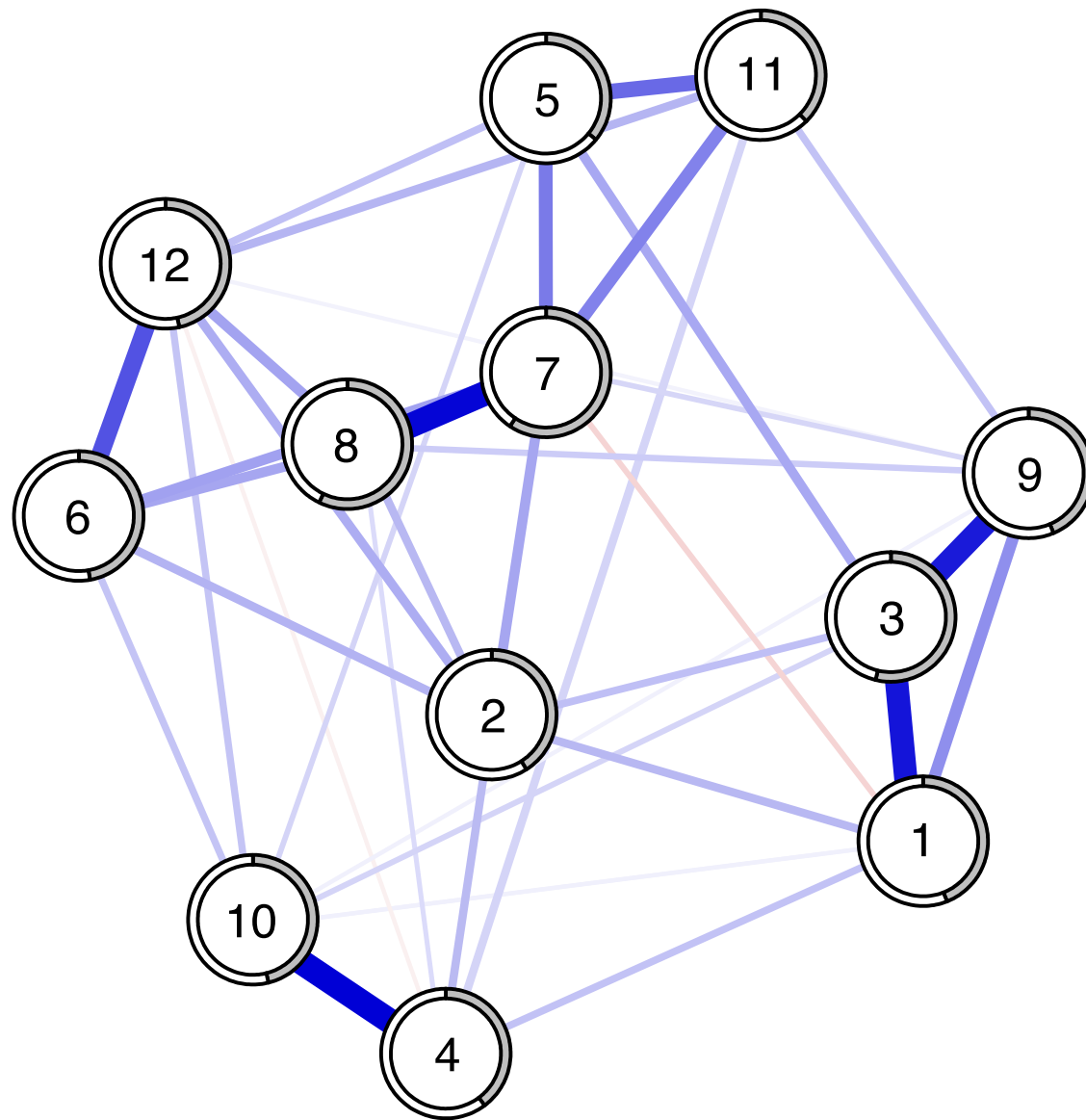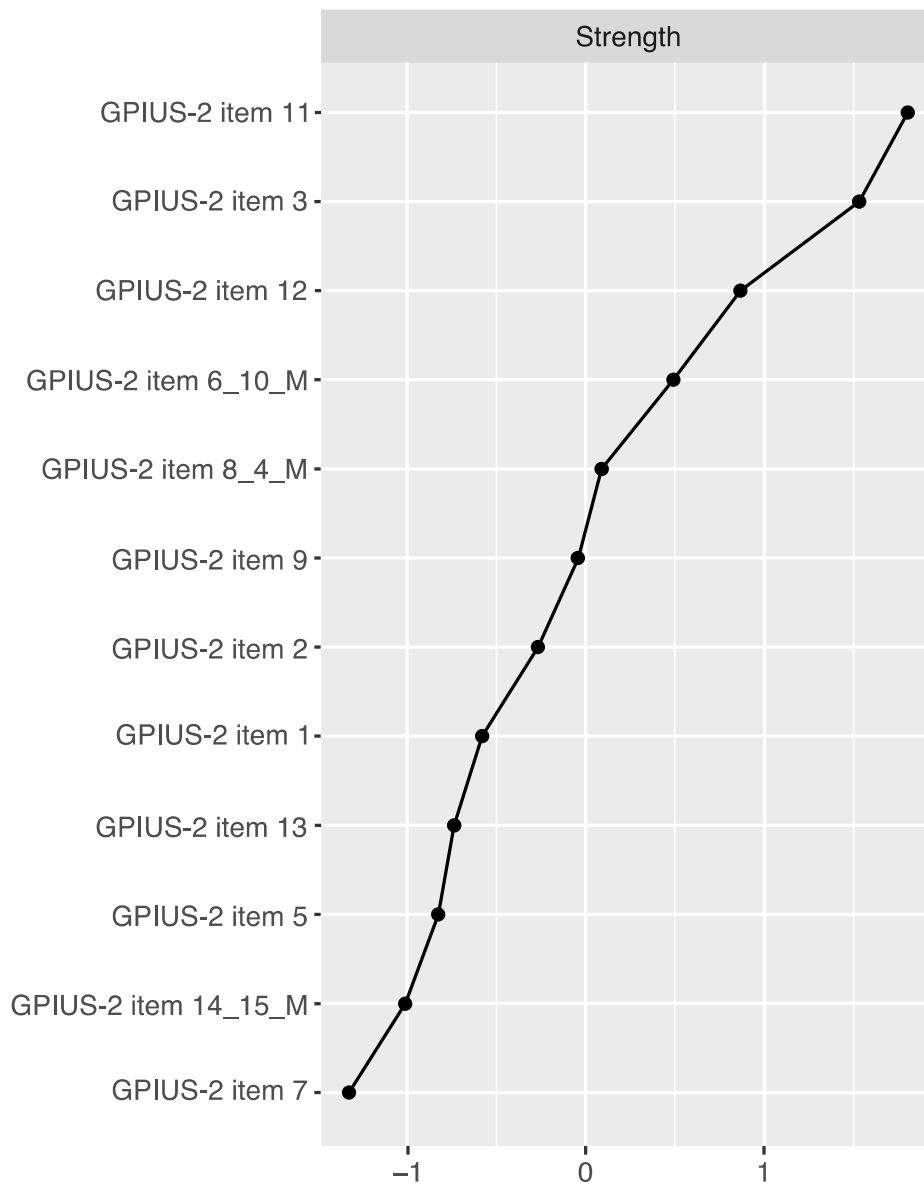**Figure S1.** Network model for the GPIUS-2 with the conceptually redundant item pairs merged (n = 1344)
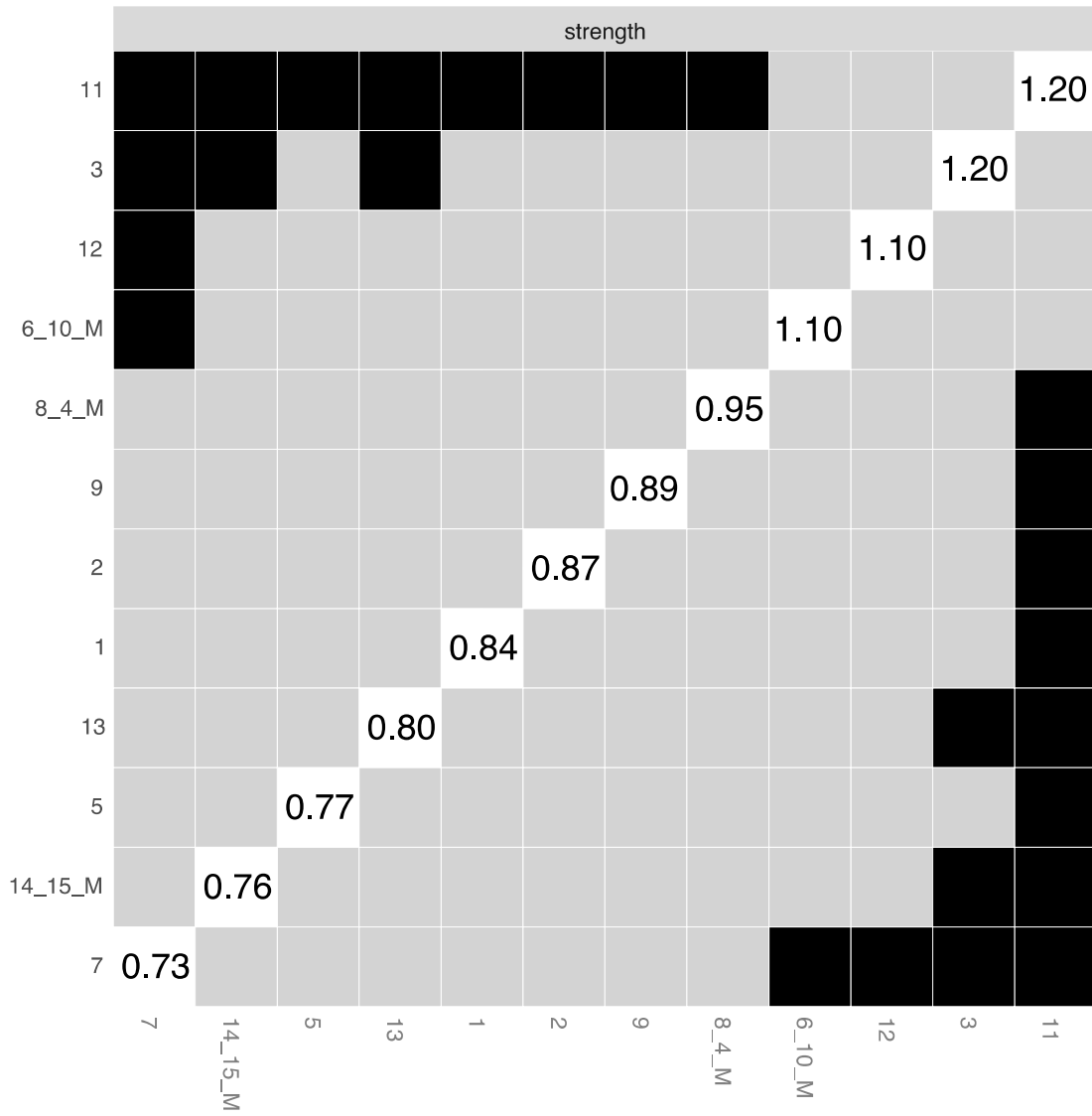

1: Item 1. [Online social interaction is more comfortable for me than face-to-face interaction].

2: Item 2. [When I haven't been online for some time. I become preoccupied with the thought of going online].

3: Item 3. [I prefer communicating with people online rather than face-to-face].

4: Item 5. [I have used the Internet to talk with others when I was feeling isolated].

5: Item 7. [I have missed social engagements or activities because of my Internet use].

6: Item 9. [I would feel lost if I was unable to go online].

7: Item 11. [I think obsessively about going online when I am offline].

8: Item 12. [When offline, I have a hard time trying to resist the urge to go online].

9: Item 13. [I prefer online social interaction over face-to-face communication].

10: Item 4 merged with Item 8. [I have used the Internet to make myself feel better when I was down] merged with [I have used the Internet to make myself feel better when I've felt upset].

11: Item 14 merged with Item 15. [My Internet use has created problems for me in my life] merged with [My Internet use has made it difficult for me to manage my life].

12: Item 6 merged with Item10. [I have difficulty controlling the amount of time I spend online] merged with [I find it difficult to control my Internet use].

Figure S2. The Generalized Problematic Internet Use Scale-2 with the conceptually redundant item pairs merged: Strength Scores (centrality) for the 12 Items, shown as Standardized z Scores (n = 1344)

GPIUS-2: The Generalized Problematic Internet Use Scale-2; Item 6_10_M: Item 6 merged with item 10; Item 8_4_M: Item 8 merged with item 4; Item 14_15_M: Item 14 merged with item 15.

Figure S3. The Generalized Problematic Internet Use Scale-2 with the conceptually redundant item pairs merged: Nonparametric Bootstrapped Difference Test for Strength

6_10_M: Item 6 merged with item 10; 8_4_M: Item 8 merged with item 4; 14_15_M: Item 14 merged with item 15.