| Network       | SNPs | Edges   | Subnetworks | Betweenness  | $\hat{P}_{SNP}$ |
|---------------|------|---------|-------------|--------------|-----------------|
| GS            | 197 083 | 197 060 | -          | $1.04 \times 10^{-3}$ | 0.49            |
| SConES GS     | 1 590  | 1 585  | 5          | $1.30 \times 10^{-3}$ | 0.023           |
| GM            | 197 083 | 6 442 446 | -         | $2.05 \times 10^{-4}$ | 0.49            |
| SConES GM     | 1 692  | 177 611 | 5          | $2.27 \times 10^{-4}$ | 0.055           |
| GI            | 197 083 | 28 733 720 | -         | $7.50 \times 10^{-5}$ | 0.49            |
| SConES GI     | 408   | 539     | 5          | $4.81 \times 10^{-4}$ | 0.076           |

Betweenness: mean (normalized) betweenness of the selected SNPs in the corresponding full network. $\hat{P}_{SNP}$: median P-value of the selected SNPs.