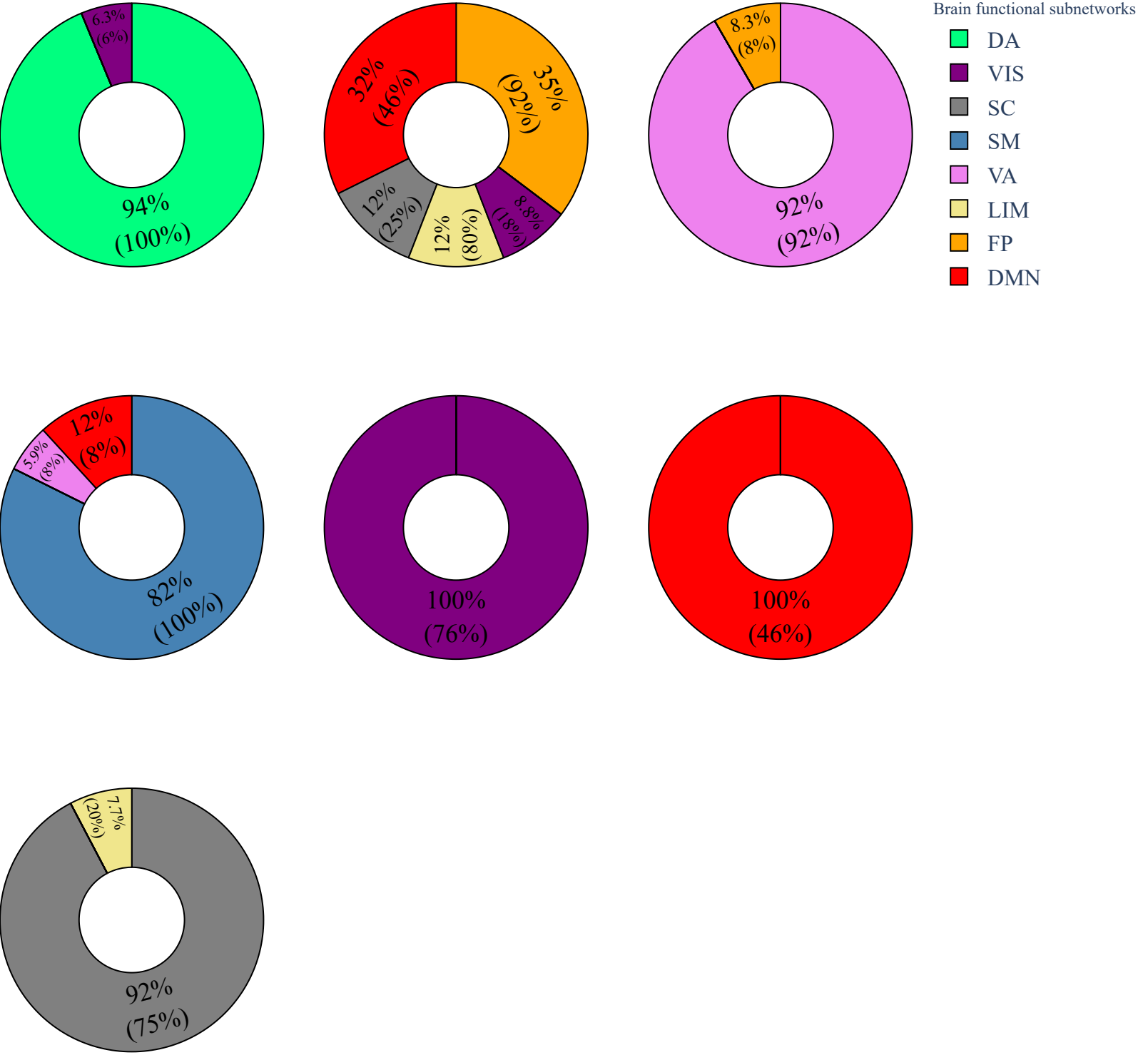Nodes distribution of the spectral clustering model of the brain hypergraph mode $\mathcal{G}_{II}^{(0)}$